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1988 - 1990

Arizona Occupational Profile

A Labor Market Information Publication
of the Department of Economic Security

Manufacturing

Map of Arizona

ARIZONA OCCUPATIONAL PROFILE

The value of current and accurate occupational employment information has long been recognized by job seekers, public and private administrators, and those involved in training, recruiting, and counseling. A major source of this information in Arizona is the Occupational Employment Statistics (OES) Program--a cooperative effort between Arizona and the U.S. Department of Labor, Bureau of Labor Statistics.

This Arizona Occupational Profile is one in a series of publications produced from information developed by the OES survey. These publications represent one of several occupational employment information delivery systems incorporating OES survey data. The survey is used to collect employment data, by county, for nearly 800 occupations in Arizona. From these surveys, which require the cooperation of the Arizona business community, current employment in the various occupations is determined, and from this an occupational outlook is formulated. The occupational profiles contain the survey findings and examine, individually, the industries of Arizona.

Profiled industries include:

Trade
Mining
Services
Government
Construction
Manufacturing
Finance, Insurance, and Real Estate
Transportation, Communications, and Public Utilities

For further information, or to comment on any aspect of this program, please write to the address below.

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INDUSTRY INFORMATION

Industry Description

Occupational projections for the manufacturing industry in Arizona are provided in this publication for the state and counties. Manufacturers engage in the mechanical or chemical transformation of materials or substances into new products and in assembling component parts of manufactured products.

Usually described as plants, factories, or mills, firms included represent both durable and nondurable goods manufacturers. Durables are products that are meant to last, such as aircraft, computer terminals, saw blades, and wood furniture. Also included are aluminum die castings, concrete blocks, and dental equipment; and firms engaged in the smelting and refining of metals. Nondurables are more readily consumed items like canned fruits and vegetables, clothing, drugs, and soaps. Newspapers, synthetic rubber, and some fertilizers are also classified in nondurable manufacturing.

The new product of a manufacturing establishment may be finished in the sense that it is ready for use or consumption, or it may be semifinished to become a raw material for an establishment engaged in further manufacturing. For example, the product of the copper smelter is the raw material used in electrolytic refineries; refined copper is the raw material used by copper wire mills; and copper wire is the raw material used by certain electrical equipment manufacturers.

A detailed description of the types of firms surveyed is found in the Standard Industrial Classification (SIC) Manual[1] under codes 20 through 39.

Industry Characteristics

Of the more than 1.4 million workers in Arizona, nearly 190,000 or 13.5 percent were employed in manufacturing in 1988. Ranking behind services, trade, and government, manufacturing remains Arizona's fourth-largest industry, based on employment.

The bulk of manufacturing employment (77 percent) is involved in the production of durable goods--primarily machinery. Approximately two-thirds of that machinery employment is in electrical and electronic equipment manufacturing, and one-third in nonelectrical machinery. Food and related products, and printing and publishing, dominate Arizona's nondurable industries, again in terms of employment.

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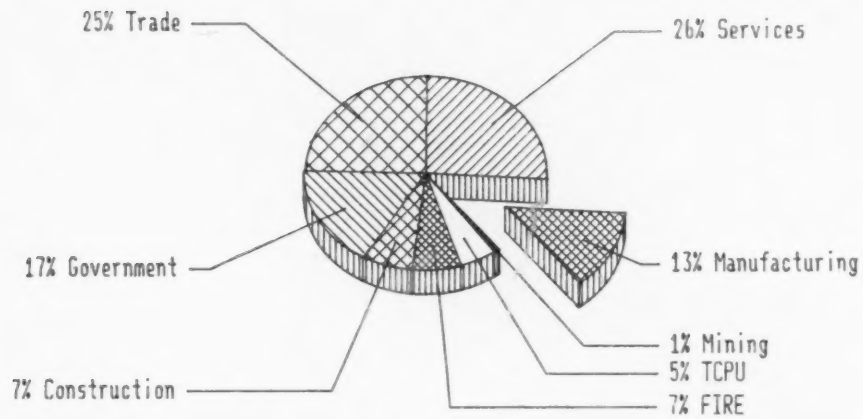
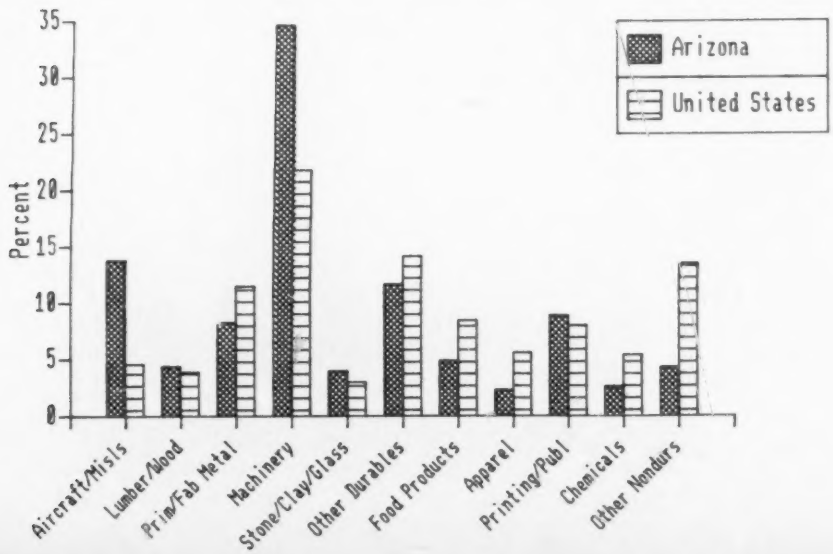
[1]Office of Management and Budget, Standard Industrial Classification Manual, 1972 Edition, pp. 57-218.

Arizona Nonagricultural Employment
1988



A comparison of the manufacturing employment distributions of Arizona and the United States reflects the prominence of machinery and aerospace-related manufacturing in the state. Nationally, a greater share of employment is involved in the manufacture of nondurables--particularly apparel, chemicals, and other nondurables. In the United States, nondurables account for 41 percent of manufacturing employment compared to just 23 percent in Arizona. The following graph illustrates the percent distribution of manufacturing employment, comparing Arizona to the United States.

DISTRIBUTION OF MANUFACTURING EMPLOYMENT
ARIZONA AND THE UNITED STATES
November 1988



In 1988, manufacturing establishments numbered more than 4,300, and most were relatively small firms. Seventy-three percent (up from 64 percent in 1983) employed fewer than 20 persons. At the other end, however, only 1 percent of Arizona's manufacturing firms employed nearly half of the industry's workers.

MANUFACTURING FIRMS BY SIZE CLASS
(SECOND QUARTER 1988)

Employment Size Class	0-9	10-19	20-49	50-99	100-249	250-499	500-999	1000+
Establishments	2,525	673	660	259	171	47	26	19
4,380 = 100%	58%	15%	15%	6%	4%	1%	.6%	.4%

Nearly three of every four Arizonans working in manufacturing are employed in Maricopa County. The remaining employment is divided between Pima County and the "balance of state" (13 other counties). Compared to Maricopa and Pima counties, the nonmetropolitan counties are to a greater degree involved in the manufacture of nondurables--most notably apparel, food products, and to a lesser degree printing and publishing.

The table that begins on the following page provides a profile of each county's manufacturing employment. Conspicuous are several counties whose manufacturing profile is dominated by a single industry. In some instances data are suppressed (S) to protect the confidentiality of individual firms.

Industry Trends

Following employment losses in the early 1980s, manufacturing rebounded strongly during the years 1983-1985. The growth in the annual average employment during that two-year period was 16.6 percent. Since that time growth rates have been minimal. Nevertheless, for seven years Arizona's manufacturing employment growth rates were higher than those of the United States (1981-1987).

Of the eight major industry groups manufacturing had the third lowest growth rate from 1984-1988--9.9 percent. Only mining and construction were behind, both having lost employment in that period. Arizona economists forecast the same rate of growth for manufacturing in the period 1988-1992, while total wage and salary employment growth (across all industries) is projected to decline from 19.4 to 12.3 percent in the following four-year period.

COUNTY MANUFACTURING EMPLOYMENT PROFILE
1988 PERCENTAGES

Apache

Lumber & Wood	38%
Aggregates*	(S)
Machinery	(S)

Cochise

Machinery	35%
Printing & Publishing	19%
Aggregates	16%
Chemicals	9%
Food	8%
All Others	13%

Coconino

Lumber & Wood	34%
Other Durables	25%
Printing & Publishing	11%
Food	10%
Machinery	6%
Metals	5%
All Others	9%

Gila

Metals	76%
Lumber & Wood	12%
Aggregates	6%
All Others	6%

Graham & Greenlee

Printing & Publishing	48%
Food & Related	23%
Machinery	(S)
Metals	(S)

La Paz

Metals	30%
Other Nondurables	15%
Aggregates	10%
Food & Related	(S)
Other Durables	(S)

Maricopa

Machinery	38%
Aircraft & Missiles	13%
Other Durables	12%
Printing & Publishing	9%
Metals	7%
Food & Related	4%
All Others	17%

Mohave

Machinery	36%
Other Durables	19%
Metals	12%
Apparel	9%
Printing & Publishing	8%
Aggregates	6%
All Others	10%

Navaho

Lumber & Wood	53%
Food & Related	7%
Printing & Publishing	5%
Apparel	(S)
Other Nondurables	(S)

Pima

Machinery	34%
Aircraft & Missiles	25%
Other Durables	11%
Printing & Publishing	9%
Metals	6%
Food & Related	5%
All Others	10%

Pinal

Metals	24%
Food & Related	20%
Other Nondurables	15%
Printing & Publishing	13%
Aggregates	9%
Apparel	6%
All Others	13%

Santa Cruz

Other Durables	43%
Machinery	36%
Food & Related	7%
Apparel	6%
All Others	8%

Yavapai

Metals	36%
Other Durables	14%
Aggregates	14%
Printing & Publishing	10%
Lumber & Wood	9%
Machinery	6%
All Others	11%

Yuma

Other Nondurables	21%
Apparel	11%
Food & Related	11%
Machinery	11%
Aggregates	10%
Printing & Publishing	10%
All Others	26%

*Aggregates used here to represent Stone, Clay, and Glass.

(S) Suppressed data

Manufacturing employment growth rates varied widely among Arizona's 15 counties from 1984-1988. Maricopa and Pima counties again experienced the largest numerical growth, and nondurables employment grew at three and four times the rates of durables respectively in those counties. La Paz, Santa Cruz, and Graham counties had very high growth rates in that time period, though the numbers were smaller. Pinal County experienced 36.8 percent growth by adding over 1,000 manufacturing employees, very close to Pima's 1,500 addition. Other high growth rate counties were Mohave, Yuma, Apache, and Coconino.

The next table provides a breakdown of the various industries within manufacturing. Apparel manufacturing continues to show negative job growth in Arizona while food and related and primary metals have reversed that trend. Employment growth in primary metals has increased from a previously reported -26.3 percent to +6.3 percent for the period 1984-1988. A major factor was the increased demand for copper. Growth rates indicate employment expansion particularly in the chemicals and allied sector, and continued growth in printing and publishing and lumber and wood. Aircraft and missiles manufacturers still employ large numbers, yet the growth rate is expected to decline further due to cutbacks in defense-related contracts. Orders for commercial transport aircraft and the export boom will help keep this sector alive. Nonelectrical machinery, which includes computer equipment, took the biggest step backward, having lost over 3,000 employees between 1984 and 1988. Also budget-related, these losses primarily occurred in 1987 and 1988.

EMPLOYMENT CHANGE IN ARIZONA'S MANUFACTURING INDUSTRIES

Industries	Employment 1984	Employment 1988	Numeric Change	% Chg. (84-88)	Previous % Chg. (80-84)
Food & Related Prods.	8,045	9,233	1,188	14.7	-15.6
Apparel	5,066	4,565	-501	-9.9	-9.3
Lumber & Wood Prods.	7,146	8,267	1,121	15.7	20.0
Printing & Publishing	13,377	16,693	3,316	24.8	21.3
Chemicals & Allied	3,757	4,692	935	24.9	8.5
Aircraft & Missiles	19,832	26,391	6,559	33.1	50.0
Stone, Clay, & Glass	7,467	7,703	236	3.2	16.4
Primary Metals	6,994	7,435	441	6.3	-26.3
Fabricated Metals	9,430	8,149	-1,281	-13.6	17.4
Machinery, Nonelectr.	25,898	22,444	-3,454	-13.3	4.2
Electrical Machinery	42,309	43,875	1,566	3.7	26.2
All Other Mfg.	23,484	30,401	6,917	29.5	16.8
Total	172,805	189,849	17,044	9.9	11.6

Manufacturing employment levels in the United States are affected by several variables. Defense-related spending by the government, as cited previously, greatly affects employment and has suffered recent cut-backs. Exports of manufactured goods, however, have been increasing dramatically. An increase of 11 percent was reported in U.S. total exports between 1986 and 1987, the largest one-year increase in ten years.[1] In Arizona, foreign exports of manufactured products increased from $725 million in 1977 to $2.4 billion in 1987. Some of this state's most frequent export destinations are Asia, Mexico (primarily to the maquila plants), and Canada.[2]

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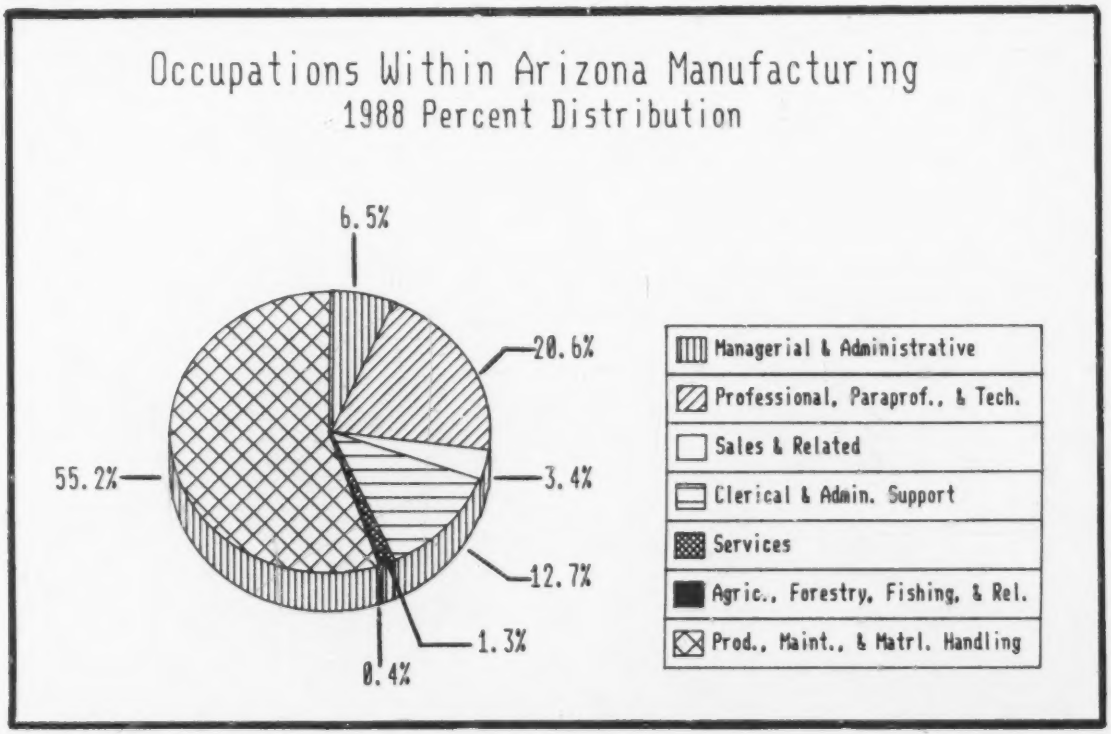
[1]"U.S. Firms Relying More on Exports", The Arizona Republic, Oct. 16, 1988.

[2]Vera Pavlakovic, "The Role of Domestic and Foreign Exports in Arizona's Economy," Arizona Review, Spring 1989, pp. 53-64.

OCCUPATIONAL INFORMATION

Not surprisingly, production and maintenance workers dominate in manufacturing--accounting for more than half of the industry's employment. In this category is a wide range of occupations which includes assemblers, mechanics and repairers, truck drivers, and craft workers such as carpenters and electricians. Numbering more than 9,000 in 1988, precision electrical and electronic equipment assemblers represent Arizona's largest manufacturing occupation (as it was in the 1985 Manufacturing Profile), and should continue to contribute significantly to the size of the production and maintenance category.

With employment at over 8,000, electrical and electronic engineers continue to rank as the second largest occupation in Arizona's manufacturing industry and is followed by assemblers and fabricators except machine, electrical, and precision with 7,749. The breakdown of occupational classes within manufacturing is further illustrated in the following graph.



A review of manufacturing occupations with the greatest employment reflects the significance of electronics-related firms in the state. Three of the top five occupations are directly related to the production of electrical goods. Also ranking high are occupations common to all or most manufacturers, e.g., managers and executives, secretaries, and production managers and supervisors.

A comparison of the staffing patterns for metropolitan and nonmetropolitan counties indicates a larger percentage of professional and technical personnel and a smaller share of maintenance and production workers in Maricopa and Pima counties. In Pima County, for example, one worker in four is a professional, paraprofessional, or technical worker, whereas in the nonmetropolitan counties the ratio is about one in 17. Outside of Maricopa and Pima counties, three-fourths of all manufacturing employees are production and maintenance workers. A greater emphasis on research and development and the location of administrative services in Phoenix and Tucson contribute to this geographic distribution. Research and development is especially vital to the aerospace and electronics industries which are active in these cities. Of the state's 8,103 electrical and electronic engineers employed in 1988, 6,323 worked in Maricopa County, 1,716 in Pima County, and only 64 in the "balance of state." Employment of electrical and electronic engineering technicians and technologists is concentrated to an even greater degree with 82 percent employed in Maricopa County alone.

In Arizona, manufacturing will realize expansion in each of the major occupational categories as the industry adds 50,000 new jobs between 1988 and 1990. Changes in occupational employment will vary, however, as the industry responds to a host of technical, political, and economic developments. Continued mechanization, for example, and other labor-saving procedures will, over the long run, continue to erode the industry's employment share claimed by laborers, helpers, and material movers. On the other hand, increasingly complex manufacturing processes will strengthen the demand for a variety of professional and technical occupations.

Production and maintenance occupations will continue to provide the greatest number of opportunities to job seekers within manufacturing. The occupational category, assemblers and fabricators, is expected to provide more than 12,000 openings between 1988 and 1990 as a result of industry expansion and the need to replace workers who leave the labor force. Because assembly jobs often require limited education or training, there is significant occupational mobility and, as a result, an even greater number of workers will be needed to satisfy turnover requirements. Although its impact is a topic of controversy, the mechanization of assembly-line operations will likely dampen the demand for certain assemblers. Much assembly work is, however, beyond the capabilities of today's robots which have yet to receive widespread application in the assembly of small or irregularly shaped parts.

Particularly vulnerable to pressures of mechanization is employment of laborers, freight and stock movers, and other unskilled workers. Automation coupled with the relatively large labor force in these occupations will make job-hunting increasingly competitive.

THIRTY OCCUPATIONS WITH THE GREATEST EMPLOYMENT IN ARIZONA'S MANUFACTURING INDUSTRY

	Employment 1988	Job Openings* 1988-1990
Electrical and Electronic Equipment Assemblers-Precision	9,183	4,554
Electrical and Electronic Engineers	8,103	2,405
Assemblers and Fabricators	7,749	2,661
Electrical/Electronic Engineering Technicians	6,089	1,946
First Line Supervisors-Production/Operations	5,757	1,977
Electromechanical Equip. Assemblers-Precision	4,030	1,882
Secretaries	3,900	1,892
Mechanical Engineers	3,608	1,291
Machinists	3,599	1,175
General Managers and Top Executives	3,514	1,159
Production Inspectors/Testers/Graders/Sorters	3,301	1,312
Electronic Semiconductor Processors	3,192	1,220
Production/Planning/Expediting Clerks	2,962	1,546
General Office Clerks	2,902	1,386
Precision Inspectors/Testers/Graders	2,726	1,114
Industrial Production Managers	2,669	1,007
Bookeeping and Accounting Clerks	2,563	1,075
Sales Reps., Except Scientific and Retail	2,506	928
Truck Drivers, Heavy or Tractor Trailer	2,397	532
Engineering/Mathematical/Natural Sci. Mgrs.	2,394	925
Stock Clerks-Stockroom/Warehouse/Storage Yard	2,344	822
Electrical and Electronic Assemblers	2,248	793
Industrial Engineers, Except Safety	2,190	733
Sewing Machine Operators, Garment	2,067	982
Other Helpers/Laborers/Material Movers, Hand	2,038	932
Freight, Stock, and Material Movers, Hand	2,003	652
Shipping, Receiving, and Traffic Clerks	1,922	591
Hand Packers and Packagers	1,913	598
Packaging and Filling Machine Opers./Tenders	1,674	365
Other Machine Operators and Tenders	1,650	525

*Openings are due to both growth and separations from the labor force such as death or retirement but do not include labor turnover (movement from one job to another).

Professional and technical personnel are expected to continue increasing their share of industry employment with research and development insuring a demand for engineers, scientists, and technicians. Electrical and electronic engineers, which represent the largest professional occupation in manufacturing, account for 4 percent of all manufacturing employment and 20 percent of professional employment. With their knowledge of mathematics, science, and electronics, engineers are involved with production and quality control as well as research and development. Most are specialized and work in a specific area, such as in the design and implementation of solid-state circuitry in

radar, computers, and calculators. Although increased demand by businesses and government for computers, communications equipment, and military electronics is expected to account for much of the projected employment demand for engineers, consumer demand for electrical and electronic goods, and increased research and development for more efficient manufacturing processes will likely create additional jobs. Other opportunities will be available for engineers in sales departments as industry products increasingly require sales personnel with technical backgrounds.

Also critical in the design and manufacture of electrical and electronic equipment are technicians, whose employment will expand an estimated 27 percent between 1988 and 1990. Opportunities will be best for graduates of postsecondary school technical training programs, particularly programs in which students gain practical work experience. The need to maintain and repair an ever-increasing number of electronic products used by industry and consumers will contribute to a strong and stable demand for workers with technical skills.

As in other Arizona industries, a strong and unwavering demand for quality clerical personnel exists in manufacturing. During the projection period, more than 5,000 openings will result from industry growth and the need to replace those who leave the labor force. Because turnover rates are relatively high for clerical workers, many more opportunities will result from the need to replace workers who change jobs. Especially attractive to employers are clerical workers who are proficient with word processing and office equipment. Secretaries, general office clerks, and bookkeeping and accounting clerks are expected to be in high demand.

THE MANUFACTURING OCCUPATION(S) WITH THE GREATEST EMPLOYMENT AND JOB OPENINGS BY COUNTY

County	Occupation(s)	Projected 1988 Employment	% of County Total	Estimated Openings 1988-1990
Apache	Electrical and Electronic Equip. Assemb.-Precision	304	31.6	143
Cochise	Electrical/Electronic Assemblers	91	4.5	33
	First Line Mgrs./Supers.-Production & Opers.	86	4.2	65
Coconino	Production Inspectors/Testers/Graders/Sorters	82	2.8	50
Gila	Boilermakers	75	4.8	104
Graham & Greenlee	Sales Reps., Except Scientific, Related, and Retail	25	11.5	11
La Paz	Punching Machine Setter/Operator, Metal and Plastic	37	23.6	4
Maricopa	Electrical and Electronic Equip. Assemb.-Precision	7,456	5.4	3,706
Mohave	Assemblers and Fabricators Exc. Mach./Elec./Precision	465	16.2	150
Navaho	Machine Feeders & Offbearers	173	9.0	5
	Bookeeping & Account. Clerks	34	1.8	11
Pima	Electromechanical Equipment Assemblers-Precision	2,770	8.0	1,296
Pinal	Truck Drivers, Heavy or Tractor Trailer	214	5.6	76
	Crushing and Mixing Mach. Operators and Tenders	173	4.6	168
Santa Cruz	Assemblers and Fabricators Exc. Mach./Elec./Precision	380	27.1	125
Yavapai	First Line Mgrs./Supers.-Production and Opers.	96	4.0	24
Yuma	Textile Machine Operators and Tenders	113	6.6	51

OCCUPATIONAL DATA TABLES

Confidential data for certain occupations were added to "All" or "All Other" categories or collapsed into major occupational classes. A summary list of these occupations follows the data tables.

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

STATEWIDE

	PROJECTED 1988 EMPLOYMENT	PERCENT OF 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1988-1990
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	12,537	6.5	15,721	4,467
FINANCIAL MANAGERS	856	0.4	1,080	312
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	375	0.2	465	123
PURCHASING MANAGERS	334	0.2	419	103
MARKETING, ADVERTISING, AND PUBLIC RELATIONS MGRS.	1,053	0.5	1,291	336
ADMINISTRATIVE SERVICES MANAGER	467	0.2	612	187
ENGINEERING, MATHEMATICAL AND NATURAL SCIENCES MGRS.	2,394	1.2	3,041	925
INDUSTRIAL PRODUCTION MANAGERS	2,669	1.4	3,343	1,007
GENERAL MANAGERS AND TOP EXECUTIVES	3,514	1.8	4,364	1,159
ALL OTHER MANAGERS AND ADMINISTRATORS	875	0.5	1,106	315
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	39,959	20.6	50,866	13,341
MANAGEMENT SUPPORT OCCUPATIONS	5,366	2.8	6,771	1,958
ACCOUNTANTS AND AUDITORS	972	0.5	1,206	336
BUDGET ANALYSTS	74	0.0	90	22
ALL OTHER FINANCIAL SPECIALISTS	450	0.2	582	184
PURCHASING AGENTS AND BUYERS, FARM PRODUCTS	8	0.0	8	0
PURCHASING AGENTS -EXC. WHOLESALE, RETAIL, AND FARM	1,284	0.7	1,634	456
PERSONNEL, TRAINING, & LABOR RELATIONS SPECIALISTS	678	0.3	854	231
COST ESTIMATORS	350	0.2	442	149
ALL OTHER MANAGEMENT SUPPORT WORKERS	1,550	0.8	1,955	580
ENGINEERING AND RELATED OCCUPATIONS	26,235	13.5	33,481	8,464
AERONAUTICAL AND ASTRONAUTICAL ENGINEERS	1,392	0.7	1,846	516
METALLURGISTS AND MATERIALS ENGINEERS	67	0.0	113	46
CHEMICAL ENGINEERS	89	0.0	110	23
CIVIL ENGINEERS, INCLUDING TRAFFIC	50	0.0	59	13
ELECTRICAL AND ELECTRONIC ENGINEERS	8,103	4.2	10,153	2,405
INDUSTRIAL ENGINEERS, EXCEPT SAFETY	2,190	1.1	2,800	733
SAFETY ENGINEERS, EXCEPT MINING	33	0.0	43	10
MECHANICAL ENGINEERS	3,608	1.9	4,747	1,291
ALL OTHER ENGINEERS	983	0.5	1,154	217
CIVIL ENGINEERING TECHNICIANS	49	0.0	58	12
ELECTRICAL AND ELECTRONIC ENGINEERING TECHNICIANS	6,089	3.1	7,759	1,946
INDUSTRIAL ENGINEERING TECHNICIANS	317	0.2	390	95
MECHANICAL ENGINEERING TECHNICIANS	957	0.5	1,253	313
DRAFTERS	1,294	0.7	1,669	448
ALL OTHER ENGINEERING AND RELATED TECHNICIANS	1,014	0.5	1,327	396
NATURAL SCIENTISTS AND RELATED OCCUPATIONS	793	0.4	974	218
PHYSICAL SCIENTISTS	157	0.1	186	36
CHEMISTS, EXCEPT BIOCHEMISTS	156	0.1	201	51
ALL OTHER PHYSICAL SCIENTISTS	21	0.0	35	14

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

STATEWIDE (Contd.)

	PROJECTED 1988 EMPLOYMENT	PERCENT OF 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1988-1990
LIFE SCIENTISTS	29	0.0	33	5
ALL OTHER LIFE SCIENTISTS	69	0.0	76	14
PHYSICAL & LIFE SCIENCE TECHNICIANS	43	0.0	51	10
CHEMICAL TECHNICIANS, EXCEPT HEALTH	231	0.1	282	60
ALL OTHER PHYSICAL & LIFE SCIENCE TECHNS. & TECHNOL.	87	0.0	110	28
COMPUTER, MATH, RESEARCH, AND RELATED OCCUPATIONS	**3,089**	**1.6**	**3,956**	**988**
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	1,145	0.6	1,420	307
COMPUTER PROGRAMMERS	1,414	0.7	1,863	506
COMPUTER PROGRAMMER AIDES	318	0.2	408	118
PROGRAMMERS: NUMERICAL, TOOL, AND PROCESS	65	0.0	78	13
OPERATIONS AND SYSTEMS ANALYSTS	116	0.1	151	37
ALL OTHER MATHEMATICAL SCIENTISTS	31	0.0	36	7
LAW RELATED OCCUPATIONS	**13**	**0.0**	**17**	**5**
LAWYERS	13	0.0	17	5
TEACHERS AND RELATED OCCUPATIONS	**1**	**0.0**	**1**	**0**
ALL TEACHERS AND INSTRUCTORS	1	0.0	1	0
HEALTH PRACTITIONERS, TECHS., & RELATED OCCUPATIONS	**121**	**0.1**	**156**	**47**
HEALTH PRACTITIONERS, TECHNICIANS, AND RELATED	99	0.1	128	39
ALL OTHER HEALTH PROFESSIONALS, PARAPROF., & TECHS.	22	0.0	28	8
WRITERS, ARTISTS, AND RELATED OCCUPATIONS	**2,828**	**1.5**	**3,575**	**1,092**
WRITERS AND EDITORS	782	0.4	985	332
TECHNICAL WRITERS	336	0.2	425	105
PUBLIC RELATIONS SPECIALISTS	12	0.0	15	4
REPORTERS AND CORRESPONDENTS	572	0.3	717	243
PHOTOGRAPHERS	116	0.1	149	39
ARTISTS AND RELATED WORKERS	337	0.2	426	141
DESIGNERS, EXCEPT INTERIOR DESIGNERS	673	0.3	858	228
ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	1,513	0.8	1,935	569
SALES AND RELATED OCCUPATIONS	**6,652**	**3.4**	**8,206**	**2,311**
FIRST LINE SUPERVISORS, SALES	807	0.4	995	266
SALES AGENTS, ADVERTISING	605	0.3	761	219
SALES ENGINEERS	539	0.3	689	178
SALES REPS., SCIEN. & REL. PROD. & SVCS.-EXC. RET.	1,066	0.5	1,344	376
SALES REPS., EXCEPT SCIENTIFIC, RELATED, AND RETAIL	2,506	1.3	3,083	928
SALESPERSONS, RETAIL	203	0.1	240	50
CASHIERS	91	0.0	96	19

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

STATEWIDE (Contd.)

	PROJECTED 1988 EMPLOYMENT	PERCENT OF 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1988-1990
VENDORS, TELEPHONE SOLICITORS, DOOR-TO-DOOR, & REL.	210	0.1	262	98
ALL OTHER SALES AND RELATED WORKERS	625	0.3	736	177
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	**24,667**	**12.7**	**31,015**	**10,279**
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS	**1,316**	**0.7**	**1,647**	**463**
FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	1,316	0.7	1,647	463
INDUSTRY-SPECIFIC CLERICAL AND ADMIN. SUPPORT	**670**	**0.3**	**837**	**276**
ADJUSTMENT CLERKS	333	0.2	408	133
ADVERTISING CLERKS	235	0.1	294	105
PROOFREADERS AND COPY MARKERS	102	0.1	135	38
GENERAL OFFICE OCCUPATIONS	**12,101**	**6.2**	**15,147**	**5,415**
SECRETARIES	3,900	2.0	4,869	1,892
STENOGRAPHERS	63	0.0	77	24
RECEPTIONISTS AND INFORMATION CLERKS	257	0.1	317	86
TYPISTS	229	0.1	284	103
TYPISTS, WORD PROCESSING EQUIPMENT	288	0.1	359	101
PERSONNEL CLERKS, EXCEPT PAYROLL	228	0.1	284	104
FILE CLERKS	90	0.0	114	45
ORDER CLERKS- MATERIALS, MERCHANDISE, AND SERVICE	811	0.4	1,006	333
PROCUREMENT CLERKS	173	0.1	224	58
STATISTICAL CLERKS	86	0.0	111	39
BOOKKEEPING AND ACCOUNTING CLERKS	2,563	1.3	3,178	1,075
PAYROLL AND TIMEKEEPING CLERKS	212	0.1	263	63
BILLING, COST AND RATE CLERKS	299	0.2	364	106
GENERAL OFFICE CLERKS	2,902	1.5	3,697	1,386
OFFICE MACHINE OPERATORS	**1,770**	**0.9**	**2,230**	**675**
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	32	0.0	39	11
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	661	0.3	846	245
PERIPHERAL EDP EQUIPMENT OPERATORS	97	0.0	116	41
DATA ENTRY KEYERS, EXCEPT COMPOSING	642	0.3	789	193
DATA ENTRY KEYERS, COMPOSING	61	0.0	76	29
ALL OTHER OFFICE MACHINE OPERATORS	277	0.1	364	156
COMMUNICATIONS AND MESSAGE DISTRIBUTION	**665**	**0.3**	**830**	**239**
SWITCHBOARD OPERATORS	298	0.2	368	120
MAIL CLERKS, EXC. MAIL MACHINE OPER. & POSTAL SERV.	34	0.0	46	15
MESSENGERS	58	0.0	70	17
DISPATCHERS: EXCEPT POLICE, FIRE, AND AMBULANCE	275	0.1	346	87
MATERIAL DISTRIBUTION AND RECORDING OCCUPATIONS	**7,693**	**4.0**	**9,767**	**3,098**
PRODUCTION, PLANNING, AND EXPEDITING CLERKS	2,962	1.5	3,853	1,546

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

STATEWIDE (Contd.)

	PROJECTED 1988 EMPLOYMENT	PERCENT OF 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1988-1990
WEIGHERS, MEASURERS, CHECKERS, AND SAMPLERS	191	0.1	244	61
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	2,344	1.2	2,963	822
SHIPPING, RECEIVING, AND TRAFFIC CLERKS	1,922	1.0	2,377	591
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	274	0.1	330	78
ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	452	0.2	557	113
SERVICE OCCUPATIONS	**2,581**	**1.3**	**3,265**	**934**
FIRST LINE SUPERVISORS AND MGRS./SUPERS.- SERVICE	153	0.1	195	64
PROTECTIVE SERVICE OCCUPATIONS	**787**	**0.4**	**983**	**219**
GUARDS AND WATCH GUARDS	787	0.4	983	219
FOOD AND BEVERAGE SERVICE OCCUPATIONS	273	0.1	351	129
CLEANING AND BUILDING SERVICES OCCUPATIONS	**1,331**	**0.7**	**1,686**	**504**
JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	1,265	0.7	1,615	494
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXC. PRIVATE HOUSEHOLDS	66	0.0	71	10
ALL OTHER SERVICE WORKERS	37	0.0	50	18
AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS	**681**	**0.4**	**662**	**15**
FIRST LINE SUPERS.- AGRIC., FOREST., FISH., AND REL.	34	0.0	31	-2
FALLERS AND BUCKERS	146	0.1	138	1
LOG HANDLING EQUIPMENT OPERATORS	104	0.1	101	6
LOGGING TRACTOR OPERATORS	152	0.1	146	-2
ALL OTHER TIMBER CUTTING & RELATED LOGGING WORKERS	133	0.1	126	0
ALL OTHER AGRICULTURAL, FORESTRY, FISHING, & REL.	112	0.1	120	12
PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING	**107,178**	**55.2**	**135,497**	**39,050**
FIRST LINE SUPERVISORS AND MANAGERS	**7,151**	**3.7**	**9,171**	**2,568**
FIRST LINE SUPERS.- MECH., INSTALLERS, & REPAIRERS	657	0.3	887	278
FIRST LINE SUPERS.- CONSTRUCTION & EXTRACTIVE WRKRS.	85	0.0	133	53
FIRST LINE SUPERS.- PRODUCTION AND OPERATING WRKRS.	5,757	3.0	7,312	1,977
FIRST LINE SUPERS.- TRANSP. AND MATRL. MOVING- MACH.	266	0.1	329	89
FIRST LINE SUPERS.- HELPERS/LABORERS/MOVERS, HAND	282	0.1	376	128
ALL OTHER FIRST LINE SUPERS.-PROD./CONST./MAINT.	104	0.1	134	43
INSPECTORS AND RELATED OCCUPATIONS	**6,028**	**3.1**	**7,598**	**2,426**
PRECISION INSPECTORS, TESTERS, AND GRADERS	2,726	1.4	3,443	1,114

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

STATEWIDE (Contd.)

	PROJECTED 1988 EMPLOYMENT	PERCENT OF 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1988-1990
PRODUCTION INSPECTORS, TESTERS, GRADERS, & SORTERS	3,301	1.7	4,154	1,312
ALL OTHER INSPECTORS, TESTERS, AND REL. OCCUPATIONS	1	0.0	1	0
MECHANICS, INSTALLERS, AND REPAIRERS	**6,448**	**3.3**	**8,211**	**2,033**
MACHINERY MAINTENANCE MECHANICS	1,261	0.6	1,628	419
MACHINERY MAINTENANCE MECHANICS, TEXTILE MACHINES	43	0.0	55	14
MACHINERY MAINTENANCE MECHANICS, SEWING MACHINES	54	0.0	69	17
ALL OTHER MACHINERY MAINTENANCE MECHANICS	68	0.0	82	15
MILLWRIGHTS	70	0.0	84	16
REFRACTORY MATERIALS REPAIRERS, EXC. BRICK MASONS	77	0.0	166	93
MACHINERY MAINTENANCE WORKERS	317	0.2	403	99
MAINTENANCE REPAIRERS, GENERAL UTILITY	1,217	0.6	1,541	371
AUTOMOTIVE MECHANICS	166	0.1	195	35
BUS AND TRUCK MECHS., AND DIESEL ENGINE SPECIALISTS	601	0.3	692	116
MOBILE HEAVY EQUIPMENT MECHANICS	71	0.0	78	10
AIRCRAFT MECHANICS	196	0.1	238	49
AIRCRAFT ENGINE SPECIALISTS	343	0.2	454	127
ELECTRONICS REPAIRERS, COMMERCIAL & INDUST. EQUIP.	167	0.1	214	53
ELECTRICAL INSTALLERS AND REPAIRERS, TRANSP. EQUIP.	56	0.0	74	23
ALL OTHER ELEC. & ELECTR. EQUIP. MECH./INSTALL./REP.	368	0.2	513	156
HEATING, A/C, AND REFRIGERATION MECH. AND INSTALLERS	210	0.1	248	50
PRECISION INSTRUMENT REPAIRERS	182	0.1	251	76
RIGGERS	5	0.0	6	1
INSTALLERS/REPAIRERS- MANUFACTURED BUILDINGS	126	0.1	156	39
COIN AND VENDING MACHINE SERVICERS AND REPAIRERS	90	0.0	99	13
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	760	0.4	965	241
CONSTRUCTION TRADES AND EXTRACTION	**2,020**	**1.0**	**2,708**	**805**
CARPENTERS	543	0.3	691	188
ELECTRICIANS	629	0.3	851	252
BRICK MASONS	40	0.0	88	50
CONCRETE AND TERRAZZO FINISHERS	204	0.1	246	50
PAINTERS AND PAPERHANGERS	61	0.0	82	22
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	332	0.2	492	181
ALL OTHER CONSTRUCTION TRADES WORKERS	25	0.0	30	5
EXTRACTIVE AND RELATED WORKERS- INCLUDING BLASTERS	18	0.0	25	8
ALL OTHER CONSTR. & EXTRACTIVE WRKRS. EXC. HELPERS	168	0.1	203	49
PRECISION PRODUCTION OCCUPATIONS	**12,070**	**6.2**	**15,179**	**481**
TOOL AND DIE MAKERS	723	0.4	896	251
MACHINISTS	3,599	1.9	4,513	1,175
TOOL GRINDERS, FILERS, AND SHARPENERS	280	0.1	372	109
PATTERN AND MODEL MAKERS, METAL	13	0.0	17	4
PRECISION LAYOUT WORKERS, METAL	94	0.0	139	48
PRECISION HAND WORKERS, JEWELRY AND RELATED	39	0.0	47	11

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

STATEWIDE (Contd.)

	PROJECTED 1988 EMPLOYMENT	PERCENT OF 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1988-1990
SHEET METAL WORKERS	1,035	0.5	1,353	360
ALL OTHER PRECISION METAL WORKERS	325	0.2	481	190
PATTERN AND MODEL MAKERS, WOOD	89	0.0	109	30
WOOD MACHINISTS	615	0.3	767	209
CABINETMAKERS AND BENCH CARPENTERS	1,171	0.6	1,451	350
FURNITURE FINISHERS	159	0.1	207	52
ALL OTHER PRECISION WOODWORKERS	98	0.1	121	29
FABRIC AND APPAREL PATTERNMAKERS, AND LAYOUT WRKRS.	44	0.0	56	13
UPHOLSTERERS	187	0.1	248	86
ALL OTHER PRECISION TEXTILE, APPAREL & FURNISHINGS	74	0.0	92	25
PRECISION COMPOSITORS, TYPESETTERS, AND ARRANGERS	246	0.1	308	92
JOB PRINTERS	301	0.2	375	109
PRECISION LITHOGRAPHY AND PHOTOENGRAVING WORKERS	403	0.2	505	114
BOOKBINDERS	49	0.0	62	21
ALL OTHER PRECISION PRINTING WORKERS	12	0.0	15	4
BAKERS, MANUFACTURING	88	0.0	91	14
FOOD BATCHMAKERS	423	0.2	448	61
ALL OTHER PRECISION FOOD AND TOBACCO WORKERS	273	0.1	288	40
PRECISION FOUNDRY MOLD AND CORE MAKERS	109	0.1	147	45
PRECISION MOLDERS, SHAPERS, & CASTERS, EXC. JEWELRY	91	0.0	115	31
PRECISION PATTERNMAKERS, LAYOUT WRKRS. AND CUTTERS	22	0.0	27	8
PRECISION DETAIL DESIGN DECORATORS AND PAINTERS	187	0.1	236	56
PRECISION PHOTOGRAPHIC PROCESS WORKERS	56	0.0	72	21
MEDICAL APPLIANCE MAKERS	30	0.0	40	13
ALL OTHER PRECISION WORKERS	1,235	0.6	1,581	481
MACHINE SETTERS, OPERATIVES, AND TENDERS	**28,908**	**14.9**	**36,619**	**10,429**
SAWING MACH. TOOL SETTER/OPER., METAL AND PLASTIC	94	0.0	119	28
LATHE/TURNING MACH. TOOL SET./OPER., METAL & PLAST.	848	0.4	1,118	375
DRILLING/BORING MACH.TOOL SET./OPER., METAL & PLAST.	396	0.2	510	145
MILLING/PLANING MACH. SET./OPER., METAL & PLAST.	268	0.1	335	95
GRINDING/BUFFING MACH. SET./OPER., METAL & PLAST.	809	0.4	1,065	308
MACHINE TOOL CUTTING OPER. AND TEND., METAL & PLAST.	1,511	0.8	1,925	504
PUNCHING MACH. SET./OPER., METAL AND PLASTIC	241	0.1	322	106
PRESS/BRAKE MACH. SET./OPER., METAL AND PLASTIC	264	0.1	333	84
SHEAR/SLITTER MACH. SET./OPER., METAL AND PLASTIC	68	0.0	86	20
MACHINE FORMING OPERATORS & TENDERS, METAL & PLAST.	630	0.3	844	269
NUMERICAL CONTROL MACH.TOOL OP./TEND., MET. & PLAST.	661	0.3	867	289
COMBINATION MACH.TOOL SET./OPER., METAL AND PLASTIC	138	0.1	171	40
COMBINATION MACH. TOOL OP./TEND., METAL AND PLASTIC	306	0.2	384	112
WELDING MACHINE SETTERS AND SET-UP OPERATORS	148	0.1	187	47
WELDING MACHINE OPERATORS AND TENDERS	182	0.1	227	58
SOLDERING AND BRAZING MACHINE SETTERS/OPERATORS	18	0.0	23	5
SOLDERING AND BRAZING MACHINE OPERATORS AND TENDERS	11	0.0	14	3
PLASTIC MOLDING AND CASTING MACHINE SET./OPER.	203	0.1	247	55

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

STATEWIDE (Contd.)

	PROJECTED 1988 EMPLOYMENT	PERCENT OF 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1988-1990
PLASTIC MOLDING AND CASTING MACHINE OP./TEND.	567	0.3	697	202
METAL MOLDING, COREMAKING, AND CASTING SET./OPER.	95	0.0	146	56
ELECTROLYTIC PLATING SET./OPER., METAL AND PLASTIC	274	0.1	365	115
ELECTROLYTIC PLATING OPER./TEND., METAL AND PLASTIC	231	0.1	298	88
NONELECTROLYTIC PLATING OPER./TEND., METAL & PLAST.	50	0.0	79	33
HEATING EQUIPMENT SETTERS/OPER. METAL AND PLASTIC	118	0.1	160	49
HEAT TREATING & TEMPERING MACH. OP./ TEND., M. & P.	125	0.1	158	39
FURNACE OPERATORS AND TENDERS	107	0.1	184	82
ALL OTHER METAL AND PLASTIC MACHINE SET./OPER.	902	0.5	1,141	309
ALL OTHER METAL AND PLASTIC MACHINE OPER./TEND.	484	0.2	615	178
SAWING MACHINE SETTERS/OPERATORS	78	0.0	92	17
SAWING MACHINE OPERATORS/TENDERS	452	0.2	513	100
WOODWORKING MACHINE SET./OPER., EXCEPT SAWING	115	0.1	146	41
WOODWORKING MACHINE OP./TENDERS, EXCEPT SAWING	250	0.1	308	77
PRINTING PRESS MACHINE SETTERS/OPERATORS	38	0.0	48	11
OFFSET LITHOGRAPHIC PRESS SETTERS/OPERATORS	1,071	0.6	1,340	333
LETTERPRESS SETTERS/OPERATORS	509	0.3	636	156
ALL OTHER PRINTING PRESS SET-UP OPERATORS	2	0.0	3	1
PHOTOENGRAVING AND LITHOGRAPHING PHOTOGRAPHERS	190	0.1	242	56
SPECIALTY MATERIALS PRINTING MACH. SET./OPER.	115	0.1	145	38
SCREEN PRINTING MACHINE SETTERS/OPERATORS	223	0.1	285	100
BINDERY MACHINE SETTERS/OPERATORS	175	0.1	219	63
ALL OTHER PRINTING RELATED SETTERS/OPERATORS	15	0.0	19	4
TYPESETTING AND COMPOSING MACHINE OPER./TENDER	507	0.3	636	263
PRINTING PRESS MACHINE OPERATORS AND TENDERS	703	0.4	879	241
BINDERY MACHINE OPERATORS	337	0.2	418	112
ALL OTHER PRINTING, BINDING, & REL. MACH. OP./TEND.	38	0.0	48	12
TEXTILE MACHINE SETTERS/OPERATORS	26	0.0	32	7
TEXTILE MACHINE OPERATORS AND TENDERS	176	0.1	228	74
SEWING MACHINE OPERATORS, GARMENT	2,067	1.1	2,766	982
SEWING MACHINE OPERATORS, NON-GARMENT	797	0.4	1,038	342
PRESSING MACH. OP./TEND.- TEXTILE, GARMENT, & REL.	69	0.0	92	30
ELECTRONIC SEMICONDUCTOR PROCESSORS	3,192	1.6	4,069	1,220
PHOTOGRAPHIC PROCESSING MACHINE OPERATORS & TENDERS	11	0.0	13	2
PAPER GOODS MACHINE SETTERS/OPERATORS	188	0.1	234	63
COOKING MACHINE OP./TENDERS, FOOD AND TOBACCO	69	0.0	73	12
ROASTING, & DRYING MACH. OP./TEND., FOOD & TOBACCO	184	0.1	188	21
FURNACE, KILN, OVEN, DRIER, OR KETTLE OPER./TEND.	160	0.1	192	45
COOLING AND FREEZING EQUIP. OPERATORS AND TENDERS	76	0.0	75	6
DAIRY PROCESSING EQUIP. OPERATORS, INCL. SETTERS	87	0.0	88	11
CHEMICAL EQUIPMENT CONTROLLERS AND OPERATORS	44	0.0	56	15
CHEMICAL EQUIPMENT TENDERS	80	0.0	99	27
CUTTING AND SLICING MACHINE SETTERS/OPERATORS	208	0.1	251	56
CUTTING AND SLICING MACHINE OPERATORS AND TENDERS	376	0.2	429	80

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

STATEWIDE (Contd.)

	PROJECTED 1988 EMPLOYMENT	PERCENT OF 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1988-1990
COATING, PAINTING , AND SPRAYING MACH. SET./OPER.	316	0.2	407	115
COATING, PAINTING, AND SPRAYING MACH. OP./TEND.	428	0.2	569	172
CEMENTING AND GLUING MACHINE OPERATORS AND TENDERS	135	0.1	168	42
CLEANING, PICKLING, AND WASHING EQUIPMENT OP./TEND.	60	0.0	70	13
SEPARATING, FILTERING ,...AND STILL MACH. OP./TEND.	140	0.1	254	124
CRUSHING AND MIXING MACHINE OPERATORS AND TENDERS	1,068	0.5	1,439	460
EXTRUDING, FORMING , AND PRESSING MACH. SET./OPER.	264	0.1	309	66
EXTRUDING, FORMING, AND PRESSING MACH. OPER./TEND.	378	0.2	447	99
PACKAGING AND FILLING MACHINE OPERATORS AND TENDERS	1,674	0.9	1,894	365
ALL OTHER MACHINE SETTERS AND SET-UP OPERATORS	418	0.2	516	136
ALL OTHER MACHINE OPERATORS AND TENDERS	1,650	0.8	2,026	525
ASSEMBLERS AND FABRICATORS	**29,518**	**15.2**	**37,325**	**12,155**
AIRCRAFT STRUCTURE & SYSTEMS ASSEMBLERS- PRECISION	360	0.2	452	168
MACHINE BUILDERS & OTHER PRECISION MACH. ASSEMBLERS	663	0.3	832	211
ELECTROMECHANICAL EQUIP. ASSEMBLERS- PRECISION	4,030	2.1	5,063	1,882
ELECTRICAL & ELECTRONIC EQUIP. ASSEMBLERS- PRECISION	9,183	4.7	11,771	4,554
ALL OTHER PRECISION ASSEMBLERS	173	0.1	227	68
MACHINE ASSEMBLERS	821	0.4	1,015	276
ELECTRICAL AND ELECTRONIC ASSEMBLERS	2,248	1.2	2,810	793
GLAZIERS, MANUFACTURING	225	0.1	282	80
WELDERS AND CUTTERS	1,320	0.7	1,694	457
SOLDERERS AND BRAZERS	95	0.0	120	30
CUTTERS AND TRIMMERS, HAND	174	0.1	219	53
PORTABLE MACHINE CUTTERS	49	0.0	65	19
METAL POURERS AND CASTERS, BASIC SHAPES	86	0.0	174	92
MOLDERS AND CASTERS, HAND	208	0.1	245	48
PAINTING , COATING, AND DECORATING WORKERS- HAND	165	0.1	209	52
GRINDING AND POLISHING WORKERS, HAND	361	0.2	479	147
ASSEMB.& FABRICATORS- EXC. MACH., ELEC., & PRECISION	7,749	4.0	9,630	2,661
ALL OTHER HAND WORKERS	1,608	0.8	2,038	564
PLANT AND SYSTEM OCCUPATIONS	**165**	**0.0**	**225**	**67**
PLANT AND SYSTEM OCCUPATIONS	33	0.0	42	9
STATIONARY ENGINEERS	45	0.0	67	25
ALL OTHER PLANT AND SYSTEM OPERATORS	87	0.0	116	33
TRANSPORTATION AND MATERIAL MOVING WORKERS	**7,257**	**3.7**	**8,752**	**1,803**
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	2,397	1.2	2,829	532
TRUCK DRIVERS, LIGHT- INCL. DELIVERY & ROUTE WRKRS.	1,524	0.8	1,818	349
DRIVER/SALES WORKERS	891	0.5	987	136
ALL OTHER MOTOR VEHICLE OPERATORS	66	0.0	87	24
ALL RAIL VEHICLE OPERATIVES AND CONTROLLERS	6	0.0	15	9
ALL OTHER TRANSPORTATION AND RELATED WORKERS	107	0.1	124	22

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

STATEWIDE (Contd.)

	PROJECTED 1988 EMPLOYMENT	PERCENT OF 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	TOTAL JOB OPENINGS 1988-1990
GRADER, DOZER, AND SCRAPER OPERATORS	79	0.0	94	18
CRANE AND TOWER OPERATORS	196	0.1	354	171
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	1,054	0.5	1,296	275
CONVEYOR OPERATORS AND TENDERS	293	0.2	363	90
OPERATING ENGINEERS	536	0.3	653	152
ALL OTHER TRANSP. AND MATRL. MOVING EQUIP. OPERATORS	5	0.0	6	1
ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	103	0.1	126	24
HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	**7,613**	**3.9**	**9,709**	**2,712**
MECHANIC AND REPAIRER HELPERS	204	0.1	271	78
CONSTRUCTION TRADES AND EXTRACTIVE HELPERS	178	0.1	247	80
MACHINE FEEDERS AND OFFBEARERS	1,249	0.6	1,512	369
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	2,003	1.0	2,483	652
HAND PACKERS AND PACKAGERS	1,913	1.0	2,363	598
VEHICLE WASHERS AND EQUIPMENT CLEANERS	28	0.0	31	3
ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	2,038	1.0	2,802	932
TOTAL OF ALL OCCUPATIONS	**194,255**		**245,232**	**70,397**

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

APACHE COUNTY

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	**20**	**27**	**7**	**0**	**7**
INDUSTRIAL PRODUCTION MANAGERS	6	6	0	0	0
GENERAL MANAGERS AND TOP EXECUTIVES	10	13	3	0	3
ALL OTHER MANAGERS AND ADMINISTRATORS	4	8	4	0	4
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	**23**	**30**	**7**	**0**	**7**
ALL FINANCIAL SPECIALISTS	3	4	1	0	1
ALL MANAGEMENT SUPPORT WORKERS	6	7	1	0	1
ELECTRICAL AND ELECTRONIC ENGINEERING TECHNICIANS	5	6	1	0	1
ALL OTHER PROFESSIONAL, PARAPROF., & TECHNICAL WRKRS	9	13	4	0	4
SALES AND RELATED OCCUPATIONS	**7**	**10**	**3**	**0**	**3**
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	**93**	**115**	**22**	**7**	**29**
FIRST LINE SUPERVISORS, CLERICAL	5	6	1	0	1
SECRETARIES	7	9	2	0	2
BOOKKEEPING AND ACCOUNTING CLERKS	12	14	2	2	4
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	23	29	6	2	8
ALL OTHER MATERIAL RECORDING, SCHEDULING, & DIST.	4	3	-1	0	-1
ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	42	54	12	3	15
SERVICE OCCUPATIONS	**8**	**10**	**2**	**0**	**2**
AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS	**98**	**92**	**-6**	**2**	**-4**
LOGGING TRACTOR OPERATORS	40	38	-2	1	-1
ALL OTHER TIMBER CUTTING WORKERS	45	42	-1	1	-2
ALL OTHER AGRICULTURAL, FORESTRY, FISHING, & REL.	13	12	-1	0	-1
PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING	**712**	**820**	**108**	**90**	**198**
FIRST LINE SUPERS.- PRODUCTION AND OPERATING WRKRS.	45	51	6	3	9
ALL OTHER FIRST LINE SUPERS.- PROD./CONST./MAINT.	3	4	1	0	1
PRECISION INSPECTORS, TESTERS, AND GRADERS	82	102	20	13	33
ALL OTHER INSPECTORS, TESTERS, AND REL. OCCUPATIONS	6	6	0	0	0
ALL MACHINERY MAINTENANCE MECHANICS	8	9	1	0	1
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	24	21	-3	0	-3
ALL CONSTRUCTION & EXTRACTIVE WRKRS. EXC. HELPERS	8	10	2	0	2
ALL PRECISION WORKERS	12	15	3	0	3
ALL OTHER METAL AND PLASTIC MACHINE OPER./TENDERS	46	44	-2	3	1
ALL PRINTING, BINDING, AND RELATED MACHINE OP./TEND.	13	17	4	1	5
ALL OTHER MACHINE OPERATORS AND TENDERS	72	71	-1	2	1
ELECTRICAL & ELECTRONIC EQUIP. ASSEMBLERS- PRECISION	304	381	77	66	143
TRUCK DRIVERS, LIGHT- INCL. DELIVERY & ROUTE WRKRS.	41	40	-1	1	0
ALL MATERIAL MOVING EQUIPMENT OPERATORS	14	14	0	0	0
ALL FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	12	11	-1	1	0
ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	22	24	2	0	2
TOTAL OF ALL OCCUPATIONS	**961**	**1,104**	**143**	**99**	**242**

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

COCHISE COUNTY

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	**79**	**98**	**19**	**0**	**19**
FINANCIAL MANAGERS	7	8	1	0	1
INDUSTRIAL PRODUCTION MANAGERS	19	23	4	0	4
GENERAL MANAGERS AND TOP EXECUTIVES	38	50	12	0	12
ALL OTHER MANAGERS AND ADMINISTRATORS	15	17	2	0	2
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	**220**	**296**	**76**	**11**	**87**
ALL FINANCIAL SPECIALISTS	5	9	4	0	4
PURCHASING AGENTS -EXC. WHOLESALE, RETAIL, & FARM	9	10	1	0	1
ALL OTHER MANAGEMENT SUPPORT WORKERS	7	10	3	0	3
ELECTRICAL AND ELECTRONIC ENGINEERS	24	30	6	0	6
MECHANICAL ENGINEERS	8	10	2	0	2
ALL OTHER ENGINEERS	4	6	2	0	2
ELECTRICAL AND ELECTRONIC ENGINEERING TECHNICIANS	16	21	5	0	5
DRAFTERS	8	9	1	0	1
CHEMISTS, EXCEPT BIOCHEMISTS	8	15	7	0	7
ALL OTHER PHYSICAL SCIENTISTS	4	10	6	0	6
ALL OTHER SCIENCE TECHNICIANS	4	6	2	0	2
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	24	29	5	0	5
COMPUTER PROGRAMMERS	17	22	5	0	5
WRITERS AND EDITORS	46	61	15	8	23
REPORTERS AND CORRESPONDENTS	12	16	4	2	6
ARTISTS AND RELATED WORKERS	8	11	3	1	4
ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	16	21	5	0	5
SALES AND RELATED OCCUPATIONS	**75**	**94**	**19**	**3**	**22**
ALL SALES REPRESENTATIVES & SALESPERSONS, SERVICE	19	25	6	2	8
SALES REPS., SCIEN. & REL. PROD. & SVCS.-EXC. RET.	10	12	2	0	2
ALL OTHER SALES AND RELATED WORKERS	46	57	11	1	12
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	**252**	**341**	**89**	**22**	**111**
FIRST LINE SUPERVISORS, CLERICAL	12	15	3	0	3
SECRETARIES	23	28	5	2	7
ORDER CLERKS- MATERIALS, MERCHANDISE, AND SERVICE	9	12	3	0	3
BOOKKEEPING AND ACCOUNTING CLERKS	48	64	16	7	23
GENERAL OFFICE CLERKS	38	55	17	4	21
DATA ENTRY KEYERS, EXCEPT COMPOSING	8	12	4	0	4
MAIL CLERKS, EXC. MAIL MACHINE OPER. & POSTAL SERV.	6	8	2	1	3
PRODUCTION, PLANNING, AND EXPEDITING CLERKS	11	15	4	1	5
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	29	38	9	2	11
SHIPPING, RECEIVING, AND TRAFFIC CLERKS	15	18	3	0	3
ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	53	76	23	5	28

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

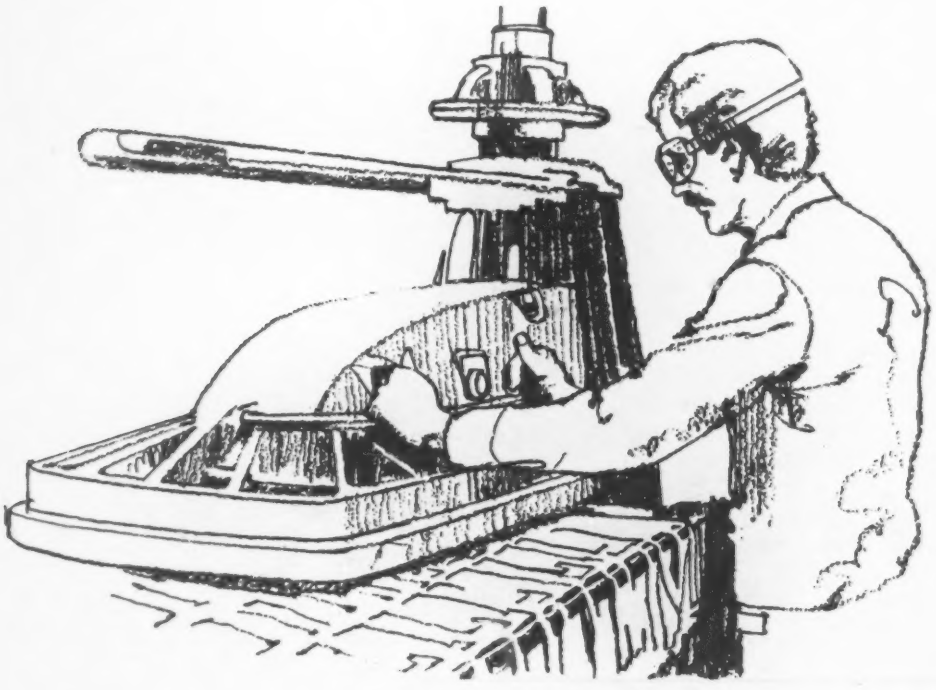
COCHISE COUNTY (Contd.)

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
SERVICE OCCUPATIONS	**18**	**29**	**11**	**0**	**11**
JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	13	17	4	0	4
ALL OTHER SERVICE WORKERS	5	12	7	0	7
AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS	**2**	**5**	**3**	**0**	**3**
PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING	**1,395**	**2,184**	**789**	**107**	**896**
FIRST LINE SUPERS.- MECHS., INSTALLERS, & REPAIRERS	17	32	15	1	16
FIRST LINE SUPERS.- PRODUCTION AND OPERATING WRKRS.	86	146	60	5	65
FIRST LINE SUPERS.- HELPERS/LABORERS/MOVERS, HAND	8	13	5	0	5
ALL OTHER FIRST LINE SUPERS.-PROD./CONST./MAINT.	4	8	4	0	4
ALL INSPECTORS, TESTERS, AND REL. OCCUPATIONS	22	31	9	2	11
MACHINERY MAINTENANCE MECHANICS	12	14	2	0	2
ALL OTHER MACHINERY MAINTENANCE MECHANICS	4	6	2	0	2
MACHINERY MAINTENANCE WORKERS	33	51	18	2	20
MAINTENANCE REPAIRERS, GENERAL UTILITY	27	51	24	1	25
BUS AND TRUCK MECHS., AND DIESEL ENGINE SPEC.	13	22	9	0	9
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	17	23	6	0	6
CARPENTERS	6	6	0	0	0
ELECTRICIANS	11	22	11	0	11
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	10	22	12	1	13
ALL OTHER CONSTRUCTION TRADES WORKERS	2	5	3	0	3
ALL OTHER CONSTR. AND EXTRACTIVE WRKRS. EXC. HELPERS	2	3	1	0	1
MACHINISTS	24	38	14	1	15
ALL OTHER PRECISION METAL WORKERS	9	16	7	0	7
WOOD MACHINISTS	10	10	0	1	1
JOB PRINTERS	11	14	3	1	4
ALL OTHER PRECISION PRINTING WORKERS	22	28	6	1	7
SLAUGHTERERS AND BUTCHERS	32	42	10	3	13
ALL OTHER PRECISION WORKERS	5	6	1	0	1
FURNACE OPERATORS AND TENDERS	34	78	44	4	48
ALL METAL AND PLASTIC MACHINE SET./OPER.	15	23	8	0	8
ALL METAL AND PLASTIC MACHINE OPER./TEND.	1	1	0	0	0
ALL PRINTING RELATED SETTERS AND SET-UP OPERATORS	6	8	2	0	2
ALL OTHER PRINTING, BINDING, & REL. MACH. OP./TEND.	16	22	6	1	7
BOILER OPERATORS AND TENDERS, LOW PRESSURE	7	17	10	1	11
COATING, PAINTING, AND SPRAYING MACH. OPER./TEND.	15	19	4	1	5
CRUSHING AND MIXING MACHINE OPERATORS AND TENDERS	31	45	14	2	16
ALL OTHER MACHINE SETTERS AND SET-UP OPERATORS	1	1	0	0	0
ALL OTHER MACHINE OPERATORS AND TENDERS	122	190	68	16	84
ELECTRICAL & ELECTRONIC EQUIP. ASSEMBLERS- PRECISION	40	51	11	8	19
ALL OTHER PRECISION ASSEMBLERS	4	4	0	0	0
ELECTRICAL AND ELECTRONIC ASSEMBLERS	91	115	24	9	33

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

COCHISE COUNTY (Contd.)

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
WELDERS AND CUTTERS	12	15	3	0	3
MEAT, POULTRY, AND FISH CUTTERS AND TRIMMERS- HAND	12	16	4	1	5
METAL POURERS AND CASTERS, BASIC SHAPES	7	17	10	0	10
ALL OTHER HAND WORKERS	175	263	88	17	105
STATIONARY ENGINEERS	15	28	13	1	14
ALL OTHER PLANT AND SYSTEM OPERATORS	14	26	12	1	13
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	62	85	23	3	26
TRUCK DRIVERS, LIGHT- INCL. DELIVERY & ROUTE WRKRS.	22	29	7	1	8
ALL OTHER MOTOR VEHICLE OPERATORS	15	19	4	0	4
ALL OTHER TRANSPORTATION AND RELATED WORKERS	8	10	2	0	2
CRANE AND TOWER OPERATORS	12	27	15	1	16
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	21	28	7	0	7
ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	20	40	20	1	21
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	25	33	8	0	8
ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	205	365	160	20	180
TOTAL OF ALL OCCUPATIONS	**2,041**	**3,047**	**1,006**	**143**	**1,149**



ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

COCONINO COUNTY

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	**148**	**190**	**42**	**5**	**47**
FINANCIAL MANAGERS	9	13	4	0	4
MARKETING, ADVERTISING, & PUBLIC RELATIONS MGRS.	6	8	2	0	2
ENGINEERING, MATHEMATICAL & NATURAL SCIENCES MGRS.	5	6	1	0	1
INDUSTRIAL PRODUCTION MANAGERS	33	42	9	2	11
GENERAL MANAGERS AND TOP EXECUTIVES	77	98	21	3	24
ALL OTHER MANAGERS AND ADMINISTRATORS	18	23	5	0	5
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	**309**	**428**	**119**	**12**	**131**
ACCOUNTANTS AND AUDITORS	13	15	2	1	3
ALL OTHER FINANCIAL SPECIALISTS	3	4	1	0	1
PURCHASING AGENTS -EXC. WHOLESALE, RETAIL, AND FARM	9	12	3	0	3
ALL OTHER MANAGEMENT SUPPORT WORKERS	15	19	4	0	4
ELECTRICAL AND ELECTRONIC ENGINEERS	7	11	4	0	4
MECHANICAL ENGINEERS	50	77	27	1	28
ALL OTHER ENGINEERS	26	41	15	0	15
INDUSTRIAL ENGINEERING TECHNICIANS	7	8	1	0	1
DRAFTERS	8	12	4	0	4
ALL OTHER ENGINEERING TECHNICIANS	16	31	15	0	15
ALL PHYSICAL SCIENTISTS	7	8	1	0	1
ALL LIFE SCIENTISTS	18	22	4	1	5
CHEMICAL TECHNICIANS, EXCEPT HEALTH	16	20	4	1	5
ALL OTHER SCIENCE TECHNICIANS	10	13	3	0	3
COMPUTER PROGRAMMERS	19	25	6	0	6
WRITERS AND EDITORS	12	15	3	1	4
ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	73	95	22	7	29
SALES AND RELATED OCCUPATIONS	**106**	**143**	**37**	**7**	**44**
FIRST LINE SUPERVISORS, SALES	7	9	2	0	2
ALL OTHER SALES REPRESENTATIVES & SALES PERSONS, SVC	16	22	6	1	7
SALES ENGINEERS	22	34	12	1	13
SALES REPS., SCIEN. & REL. PROD. & SVCS.-EXC. RET.	22	27	5	1	6
SALES REPS., EXCEPT SCIENTIFIC, RELATED, AND RETAIL	36	47	11	4	15
ALL OTHER SALES AND RELATED WORKERS	3	4	1	0	1
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	**363**	**472**	**109**	**35**	**144**
FIRST LINE SUPERVISORS, CLERICAL	24	32	8	0	8
ADJUSTMENT CLERKS	18	22	4	4	8
SECRETARIES	65	83	18	12	30
RECEPTIONISTS AND INFORMATION CLERKS	10	12	2	0	2
PERSONNEL CLERKS, EXCEPT PAYROLL	5	6	1	1	2
PROCUREMENT CLERKS	5	10	5	0	5
BOOKKEEPING AND ACCOUNTING CLERKS	63	77	14	7	21

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

COCONINO COUNTY (Contd.)

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
GENERAL OFFICE CLERKS	31	35	4	3	7
ALL OTHER OFFICE MACHINE OPERATORS	8	10	2	1	3
SWITCHBOARD OPERATORS	12	16	4	1	5
PRODUCTION, PLANNING, AND EXPEDITING CLERKS	13	24	11	2	13
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	40	54	14	2	16
SHIPPING, RECEIVING, AND TRAFFIC CLERKS	36	46	10	0	10
ALL OTHER MATERIAL RECORDING, SCHEDULING, & DISTRIB.	7	7	0	0	0
ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	26	38	12	2	14
SERVICE OCCUPATIONS	**61**	**84**	**23**	**5**	**28**
GUARDS AND WATCH GUARDS	13	16	3	0	3
JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	41	59	18	5	23
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS	7	9	2	0	2
AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS	**212**	**197**	**-15**	**13**	**-2**
FIRST LINE SUPERS.- AGRIC., FOREST., FISH., & REL.	16	15	-1	1	0
FALLERS AND BUCKERS	60	56	-4	4	0
LOG HANDLING EQUIPMENT OPERATORS	25	23	-2	3	1
LOGGING TRACTOR OPERATORS	39	36	-3	1	-2
ALL OTHER TIMBER CUTTING AND REL. LOGGING WORKERS	50	46	-4	3	-1
ALL OTHER AGRICULTURAL, FORESTRY, FISHING, & REL.	22	21	-1	1	0
PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING	**1,772**	**2,158**	**386**	**100**	**486**
FIRST LINE SUPERS.- MECH., INSTALLERS, & REPAIRERS	23	32	9	0	9
FIRST LINE SUPERS.- PRODUCTION AND OPERATING WORKERS	75	106	31	3	34
ALL OTHER FIRST LINE SUPERS.-PROD./CONST./MAINT.	11	13	2	0	2
PRECISION INSPECTORS, TESTERS, AND GRADERS	35	45	10	5	15
PRODUCTION INSPECTORS, TESTERS, GRADERS, & SORTERS	82	121	39	11	50
ALL MACHINERY MAINTENANCE MECHANICS	31	46	15	0	15
MILLWRIGHTS	27	30	3	1	4
MACHINERY MAINTENANCE WORKERS	13	15	2	0	2
MAINTENANCE REPAIRERS, GENERAL UTILITY	33	46	13	1	14
BUS AND TRUCK MECHS., AND DIESEL ENGINE SPEC.	12	15	3	0	3
MOBILE HEAVY EQUIPMENT MECHANICS	24	23	-1	1	0
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	17	20	3	0	3
ELECTRICIANS	36	47	11	1	12
ALL OTHER CONSTRUCTION TRADES WORKERS	20	25	5	0	5
MACHINISTS	57	76	19	2	21
SHEET METAL WORKERS	14	17	3	0	3
ALL OTHER PRECISION METAL WORKERS	3	3	0	0	0
ALL PRECISION WOODWORKERS	8	7	-1	0	-1
ALL PRECISION PRINTING WORKERS	4	5	1	0	1
ALL PRECISION FOOD AND TOBACCO WORKERS	5	6	1	0	1
ALL OTHER PRECISION WORKERS	157	191	34	10	44

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

COCONINO COUNTY (Contd.)

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
ALL METAL & PLASTIC MACHINE SETTERS & SET-UP OPER.	1	2	1	0	1
ALL METAL & PLASTIC MACHINE OPERATORS AND TENDERS	44	45	1	3	4
SAWING MACHINE SETTERS/OPERATORS	15	14	-1	0	-1
OFFSET LITHOGRAPHIC PRESS SETTERS/OPERATORS	44	56	12	1	13
ALL OTHER PRINTING RELATED SETTERS/OPERATORS	2	4	2	0	2
TYPESETTING AND COMPOSING MACHINE OPER./TEND.	10	14	4	2	6
PRINTING PRESS MACHINE OPERATORS AND TENDERS	6	8	2	0	2
ALL OTHER PRINTING, BINDING, & REL. MACH. OP./TEND.	4	5	1	0	1
COOKING MACHINE OPER./TENDERS, FOOD AND TOBACCO	11	14	3	1	4
CUTTING AND SLICING MACHINE OPERATORS AND TENDERS	22	21	-1	1	0
PACKAGING & FILLING MACHINE OPERATORS AND TENDERS	62	79	17	5	22
ALL OTHER MACHINE SETTERS AND SET-UP OPERATORS	19	20	1	0	1
ALL OTHER MACHINE OPERATORS AND TENDERS	255	264	9	19	28
ELECTRICAL & ELECTRONIC EQUIP. ASSEMBLERS- PRECISION	9	12	3	1	4
ALL OTHER PRECISION ASSEMBLERS	1	2	1	0	1
ALL OTHER HAND WORKERS	111	182	71	11	82
ALL OTHER PLANT AND SYSTEM OPERATORS	6	7	1	0	1
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	77	81	4	2	6
TRUCK DRIVERS, LIGHT- INCL. DELIVERY & ROUTE WRKRS.	20	26	6	0	6
DRIVER/SALES WORKERS	24	32	8	0	8
ALL OTHER TRANSPORTATION AND RELATED WORKERS	32	30	-2	3	1
GRADER, DOZER, AND SCRAPER OPERATORS	19	18	-1	1	0
INDUSTRIAL TRUCK & TRACTOR OPERATORS	46	54	8	1	9
OPERATING ENGINEERS	14	15	1	0	1
ALL OTHER TRANSP. & MATERIAL MOVING EQUIP. OPERATORS	5	6	1	0	1
ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	30	32	2	1	3
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	69	78	9	5	14
ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	127	148	21	8	29
TOTAL OF ALL OCCUPATIONS	**2,971**	**3,672**	**701**	**177**	**878**

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

GILA COUNTY

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	**30**	**50**	**20**	**0**	**20**
INDUSTRIAL PRODUCTION MANAGERS	10	19	9	0	9
GENERAL MANAGERS AND TOP EXECUTIVES	14	20	6	0	6
ALL OTHER MANAGERS AND ADMINISTRATORS	6	11	5	0	5
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	**62**	**142**	**80**	**1**	**81**
ALL MANAGEMENT SUPPORT WORKERS	7	18	11	0	11
METALLURGISTS AND MATERIALS ENGINEERS	12	29	17	0	17
ELECTRICAL AND ELECTRONIC ENGINEERS	5	11	6	0	6
ALL OTHER ENGINEERS	4	12	8	0	8
ALL ENGINEERING TECHNICIANS	6	15	9	0	9
CHEMISTS, EXCEPT BIOCHEMISTS	7	17	10	0	10
ALL OTHER PHYSICAL SCIENTISTS	2	6	4	0	4
ALL SCIENCE TECHNICIANS	1	3	2	0	2
ALL OTHER PROFESSIONAL, PARAPROF., & TECHNICAL	18	31	13	1	14
SALES AND RELATED OCCUPATIONS	**8**	**8**	**0**	**0**	**0**
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	**93**	**179**	**86**	**11**	**97**
SECRETARIES	14	23	9	1	10
BOOKKEEPING AND ACCOUNTING CLERKS	11	18	7	1	8
GENERAL OFFICE CLERKS	11	19	8	1	9
ALL OFFICE MACHINE OPERATORS	7	9	2	2	4
PRODUCTION, PLANNING, AND EXPEDITING CLERKS	15	34	19	4	23
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	7	17	10	1	11
SHIPPING, RECEIVING, AND TRAFFIC CLERKS	7	13	6	0	6
ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	21	46	25	1	26
SERVICE OCCUPATIONS	**37**	**73**	**36**	**4**	**40**
ALL SERVICE SUPERVISORS AND MANAGER/SUPERVISORS	1	3	2	0	2
GUARDS AND WATCH GUARDS	5	5	0	0	0
JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	24	54	30	4	34
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS	5	5	0	0	0
ALL OTHER SERVICE WORKERS	2	6	4	0	4
AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS	**72**	**67**	**-5**	**3**	**-2**
CHOKE SETTERS	26	24	-2	2	0
LOG HANDLING EQUIPMENT OPERATORS	8	7	-1	0	-1
LOGGING TRACTOR OPERATORS	8	7	-1	0	-1
ALL OTHER TIMBER CUTTING AND REL. LOGGING WORKERS	21	19	-2	1	-1
LOG GRADERS AND SCALERS	5	5	0	0	0
ALL OTHER AGRICULTURAL, FORESTRY, FISHING, & REL.	4	5	1	0	1

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

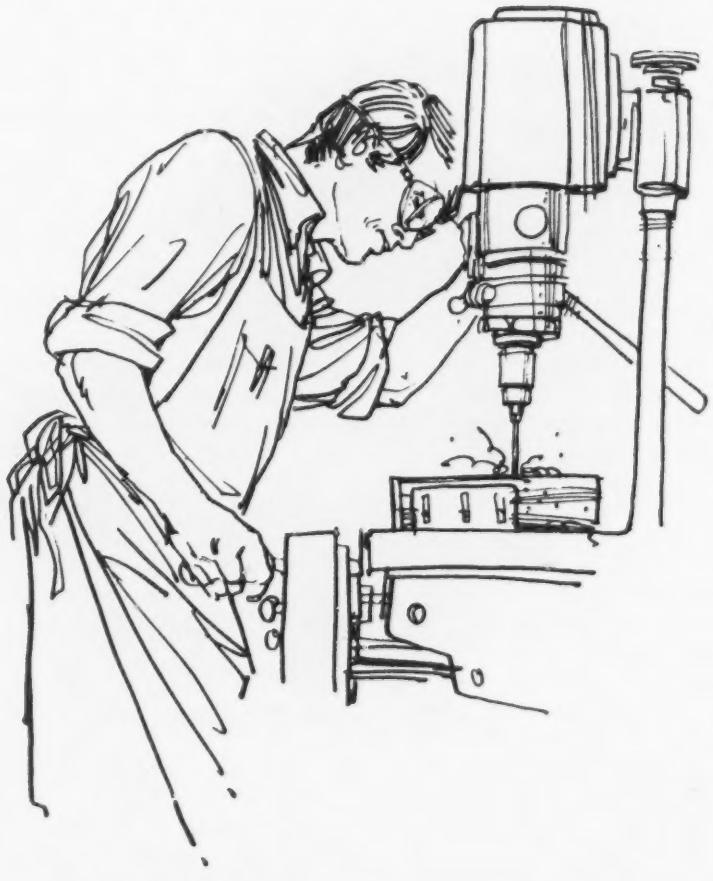
GILA COUNTY (Contd.)

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING	1,253	2,739	1,486	110	1,596
FIRST LINE SUPERS.- MECH., INSTALLERS, & REPAIRERS	44	96	52	6	58
FIRST LINE SUPERS.- PRODUCTION & OPERATING WORKERS	56	116	60	4	64
FIRST LINE SUPERS.- HELPERS/LABORERS/MOVERS, HAND	39	89	50	8	58
ALL OTHER FIRST LINE SUPERS.-PROD./CONST./MAINT.	5	15	10	0	10
MACHINERY MAINTENANCE MECHANICS	72	164	92	5	97
MILLWRIGHTS	5	5	0	0	0
REFRACTORY MATERIALS REPAIRERS, EXC. BRICK MASONS	5	11	6	0	6
MACHINERY MAINTENANCE WORKERS	9	20	11	0	11
BUS AND TRUCK MECHANICS, AND DIESEL ENGINE SPEC.	7	13	6	0	6
PRECISION INSTRUMENT REPAIRERS	19	43	24	1	25
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	1	3	2	0	2
CARPENTERS	14	31	17	1	18
ELECTRICIANS	63	140	77	5	82
BRICK MASONS	9	20	11	0	11
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	56	129	73	5	78
ALL OTHER CONSTRUCTION TRADES WORKERS	3	9	6	0	6
MACHINISTS	49	112	63	4	67
PRECISION LAYOUT WORKERS, METAL	17	40	23	1	24
BOILERMAKERS	75	171	96	8	104
ALL OTHER PRECISION METAL WORKERS	1	3	2	0	2
ALL PRECISION FOOD AND TOBACCO WORKERS	2	2	0	0	0
LATHE/TURNING MACH. TOOL SET./OPER., METAL & PLAST.	16	37	21	2	23
MACHINE TOOL CUTTING OPER. AND TEND., METAL & PLAST.	21	49	28	1	29
PUNCHING MACH. SET./OPER., METAL AND PLASTIC	14	31	17	2	19
NUMER. CONTROL MACH. TOOL SET./OP.- METAL & PLASTIC	7	17	10	1	11
FURNACE OPERATORS AND TENDERS	6	15	9	0	9
ALL OTHER METAL AND PLASTIC MACHINE OPER./TEND.	8	18	10	0	10
SAWING MACHINE OPERATORS/TENDERS	10	10	0	1	1
ALL OTHER PRINTING, BINDING, & REL. MACH. OP./TEND.	14	18	4	2	6
SEPARATING, FILTERING ,...AND STILL MACH. OP./TEND.	46	106	60	5	65
CRUSHING AND MIXING MACHINE OPERATORS AND TENDERS	51	113	62	6	68
ALL OTHER MACHINE OPERATORS AND TENDERS	4	6	2	0	2
WELDERS AND CUTTERS	19	44	25	1	26
METAL POURERS AND CASTERS, BASIC SHAPES	36	83	47	3	50
ALL OTHER HAND WORKERS	2	2	0	0	0
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	69	115	46	2	48
ALL OTHER MOTOR VEHICLE OPERATORS	4	7	3	0	3
RAIL YARD ENGINEERS, DINKY OPERATORS, AND HOSTLERS	5	12	7	0	7
ALL OTHER RAIL VEHICLE OPERATIVES AND CONTROLLERS	1	3	2	0	2
GRADER, DOZER, AND SCRAPER OPERATORS	6	13	7	0	7
CRANE AND TOWER OPERATORS	35	82	46	3	49
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	21	49	28	1	29

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

GILA COUNTY (Contd.)

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
CONVEYOR OPERATORS AND TENDERS	14	26	12	1	13
ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	8	11	3	0	3
MECHANIC AND REPAIRER HELPERS	21	45	24	1	25
CONSTRUCTION TRADES AND EXTRACTIVE HELPERS	5	11	6	0	6
MACHINE FEEDERS AND OFFBEARERS	49	112	63	6	69
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	57	131	74	7	81
HAND PACKERS AND PACKAGERS	7	9	2	0	2
ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	145	332	187	17	204
TOTAL OF ALL OCCUPATIONS	**1,555**	**3,258**	**1,703**	**129**	**1,832**



ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

GRAHAM AND GREENLEE COUNTIES

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	**20**	**26**	**6**	**0**	**6**
GENERAL MANAGERS AND TOP EXECUTIVES	13	17	4	0	4
ALL OTHER MANAGERS AND ADMINISTRATORS	7	9	2	0	2
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	**20**	**24**	**4**	**1**	**5**
ALL FINANCIAL SPECIALISTS	1	1	0	0	0
ARTISTS AND RELATED WORKERS	10	12	2	1	3
ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	9	11	2	0	2
SALES AND RELATED OCCUPATIONS	**29**	**39**	**10**	**4**	**14**
SALES REPS., EXCEPT SCIENTIFIC, RELATED, AND RETAIL	25	32	7	4	11
ALL OTHER SALES AND RELATED WORKERS	4	7	3	0	3
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	**30**	**35**	**5**	**0**	**5**
BOOKKEEPING AND ACCOUNTING CLERKS	9	9	0	0	0
SHIPPING, RECEIVING, AND TRAFFIC CLERKS	7	8	1	0	1
ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	14	18	4	0	4
SERVICE OCCUPATIONS	**4**	**5**	**1**	**0**	**1**
ALL CLEANING AND BUILDING SERVICE WORKERS	4	5	1	0	1
PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING	**115**	**152**	**37**	**2**	**39**
ALL FIRST LINE SUPERS.-PROD./CONSTR./MAINT.	5	7	2	0	2
ALL MACHINERY MAINTENANCE MECHANICS	2	2	0	0	0
COIN AND VENDING MACHINE SERVICERS AND REPAIRERS	5	7	2	0	2
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	11	15	4	1	5
ALL CONSTRUCTION TRADES WORKERS	11	15	4	0	4
ALL PRECISION PRINTING WORKERS	12	15	3	0	3
ALL PRECISION FOOD AND TOBACCO WORKERS	6	8	2	0	2
ALL OTHER PRECISION WORKERS	1	2	1	0	1
ALL OTHER PRINTING, BINDING, & REL. MACH. OP./TEND.	6	9	3	0	3
ALL OTHER MACHINE OPERATORS AND TENDERS	11	14	3	0	3
ALL OTHER HAND WORKERS	8	10	2	0	2
ALL MOTOR VEHICLE OPERATORS	7	9	2	0	2
HAND PACKERS AND PACKAGERS	16	21	5	0	5
ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	14	18	4	1	5
TOTAL OF ALL OCCUPATIONS	**218**	**281**	**63**	**7**	**70**

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

LA PAZ COUNTY

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	5	5	0	0	0
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	5	5	0	0	0
ALL FINANCIAL SPECIALISTS	1	1	0	0	0
ALL OTHER PROFESSIONAL, PARAPROF., & TECHNICAL	4	4	0	0	0
SALES AND RELATED OCCUPATIONS	1	1	0	0	0
ALL SALES REPS. AND SALESPERSONS, SERVICE	1	1	0	0	0
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	12	12	0	0	0
SERVICE OCCUPATIONS	2	2	0	0	0
PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING	132	157	31	25	6
FIRST LINE SUPERS.- PRODUCTION AND OPERATING WRKRS.	6	7	1	1	0
ALL OTHER FIRST LINE SUPERS.-PROD./CONST./MAINT.	1	1	0	0	0
ALL MECHANICS, INSTALLERS, AND REPAIRERS	3	4	1	1	0
TOOL AND DIE MAKERS	5	5	0	0	0
ALL PRECISION FOOD AND TOBACCO WORKERS	6	7	1	1	0
ALL OTHER PRECISION WORKERS	2	3	1	1	0
PUNCHING MACH. SET./OPER., METAL AND PLASTIC	37	41	8	4	4
MACHINE FORMING OPERATORS & TENDERS, METAL & PLAST.	5	5	0	0	0
ALL OTHER METAL AND PLASTIC MACHINE SET./OPER.	18	20	3	2	1
ALL PRINTING, BINDING, & REL. MACH. OP./TEND.	1	1	0	0	0
ALL OTHER MACHINE OPERATORS AND TENDERS	17	23	7	6	1
ALL PLANT AND SYSTEM OPERATORS	1	1	0	0	0
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	6	8	2	2	0
ALL OTHER MOTOR VEHICLE OPERATORS	1	1	0	0	0
OPERATING ENGINEERS	6	8	2	2	0
ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	3	4	1	1	0
HAND PACKERS AND PACKAGERS	9	12	3	3	0
ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	5	6	1	1	0
TOTAL OF ALL OCCUPATIONS	157	182	31	25	6

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

MARICOPA COUNTY

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	**8,943**	**11,056**	**2,113**	**986**	**3,099**
FINANCIAL MANAGERS	647	799	152	73	225
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	303	371	68	30	98
PURCHASING MANAGERS	239	300	61	13	74
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	866	1,060	194	88	282
ADMINISTRATIVE SERVICES MANAGER	318	407	89	27	116
ENGINEERING, MATHEMATICAL & NATURAL SCIENCES MGRS.	1,523	1,900	377	176	553
INDUSTRIAL PRODUCTION MANAGERS	1,908	2,362	454	257	711
GENERAL MANAGERS AND TOP EXECUTIVES	2,463	3,016	553	252	805
ALL OTHER MANAGERS AND ADMINISTRATORS	676	841	165	70	235
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	**29,732**	**37,671**	**7,939**	**1,803**	**9,742**
ACCOUNTANTS AND AUDITORS	779	964	185	88	273
BUDGET ANALYSTS	56	70	14	5	19
ALL OTHER FINANCIAL SPECIALISTS	339	426	87	39	126
PURCHASING AGENTS AND BUYERS, FARM PRODUCTS	8	8	0	0	0
PURCHASING AGENTS -EXC. WHOLESALE, RETAIL, & FARM	1,006	1,276	270	89	359
PERSONNEL, TRAINING, & LABOR RELATIONS SPECIALISTS	560	699	139	48	187
COST ESTIMATORS	255	327	72	44	116
ALL OTHER MANAGEMENT SUPPORT WORKERS	908	1,146	238	104	342
AERONAUTICAL AND ASTRONAUTICAL ENGINEERS	1,377	1,829	452	62	514
METALLURGISTS AND MATERIALS ENGINEERS	35	45	10	0	10
CHEMICAL ENGINEERS	45	54	9	1	10
CIVIL ENGINEERS, INCLUDING TRAFFIC	47	56	9	4	13
ELECTRICAL AND ELECTRONIC ENGINEERS	6,323	7,852	1,529	279	1,808
INDUSTRIAL ENGINEERS, EXCEPT SAFETY	1,731	2,247	516	102	618
SAFETY ENGINEERS, EXCEPT MINING	25	32	7	0	7
MECHANICAL ENGINEERS	2,672	3,485	813	115	928
ALL OTHER ENGINEERS	372	443	71	15	86
CIVIL ENGINEERING TECHNICIANS	14	16	2	0	2
ELECTRICAL AND ELECTRONIC ENGINEERING TECHNICIANS	5,001	6,373	1,372	231	1,603
INDUSTRIAL ENGINEERING TECHNICIANS	193	244	51	14	65
MECHANICAL ENGINEERING TECHNICIANS	831	1,084	253	17	270
DRAFTERS	1,046	1,341	295	62	357
ALL OTHER ENGINEERING TECHNICIANS	537	692	155	42	197
PHYSICAL SCIENTISTS	34	45	11	1	12
CHEMISTS, EXCEPT BIOCHEMISTS	114	131	17	6	23
ALL OTHER PHYSICAL SCIENTISTS	9	12	3	0	3
ALL OTHER LIFE SCIENTISTS	78	85	7	7	14
PHYSICAL AND LIFE SCIENCE TECHNICIANS	26	35	9	1	10
CHEMICAL TECHNICIANS, EXCEPT HEALTH	164	187	23	8	31
ALL OTHER SCIENCE TECHNICIANS	73	91	18	5	23
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	950	1,169	219	28	247

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

MARICOPA COUNTY (Contd.)

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
COMPUTER PROGRAMMERS	795	985	190	30	220
COMPUTER PROGRAMMER AIDES	301	389	88	28	116
PROGRAMMERS: NUMERICAL, TOOL, AND PROCESS	59	72	13	0	13
OPERATIONS AND SYSTEMS ANALYSTS	96	124	28	2	30
ALL OTHER MATHEMATICAL SCIENTISTS	7	10	3	0	3
LAWYERS	13	17	4	1	5
HEALTH PRACTITIONERS, TECHNICIANS, AND RELATED	85	108	23	10	33
ALL OTHER HEALTH PROFESSIONALS, PARAPROF.,& TECHS.	22	28	6	2	8
WRITERS AND EDITORS	442	550	108	77	185
TECHNICAL WRITERS	304	389	85	15	100
PUBLIC RELATIONS SPECIALISTS	9	11	2	1	3
ARTISTS AND RELATED WORKERS	203	258	55	33	88
DESIGNERS, EXCEPT INTERIOR DESIGNERS	508	645	137	35	172
ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	1,280	1,621	341	152	493
SALES AND RELATED OCCUPATIONS	**5,255**	**6,466**	**1,211**	**628**	**1,839**
FIRST LINE SUPERVISORS, SALES	681	837	156	70	226
ALL SALES REPRESENTATIVES AND SALESPERSONS, SERVICE	414	516	102	47	149
SALES ENGINEERS	460	581	121	25	146
SALES REPS., SCIEN. & REL. PROD. & SVCS.-EXC. RET.	927	1,171	244	92	336
SALES REPS., EXCEPT SCIENTIFIC, RELATED, AND RETAIL	1,929	2,365	436	286	722
SALESPERSONS, RETAIL	85	100	15	5	20
CASHIERS	65	66	1	11	12
ALL OTHER SALES AND RELATED WORKERS	694	830	136	92	228
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	**17,410**	**21,668**	**4,258**	**2,964**	**7,222**
FIRST LINE SUPERVISORS, CLERICAL	1,023	1,277	254	116	370
PROOFREADERS AND COPY MARKERS	69	86	17	5	22
SECRETARIES	2,877	3,575	698	719	1,417
STENOGRAPHERS	49	61	12	8	20
RECEPTIONISTS AND INFORMATION CLERKS	177	214	37	22	59
TYPISTS	197	241	44	43	87
TYPISTS, WORD PROCESSING EQUIPMENT	211	262	51	23	74
PERSONNEL CLERKS, EXCEPT PAYROLL	172	212	40	38	78
FILE CLERKS	77	98	21	18	39
ORDER CLERKS- MATERIALS, MERCHANDISE, AND SERVICE	646	797	151	119	270
PROCUREMENT CLERKS	121	150	29	6	35
STATISTICAL CLERKS	74	93	19	13	32
BOOKKEEPING AND ACCOUNTING CLERKS	1,878	2,316	438	367	805
PAYROLL AND TIMEKEEPING CLERKS	156	193	37	11	48
BILLING, COST AND RATE CLERKS	255	311	56	39	95
GENERAL OFFICE CLERKS	1,972	2,485	513	429	942
BILLING, POSTING, & CALCULATING MACHINE OPERATORS	25	31	6	3	9
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	433	528	95	39	134

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

MARICOPA COUNTY (Contd.)

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
PERIPHERAL EDP EQUIPMENT OPERATORS	97	116	19	22	41
DATA ENTRY KEYERS, EXCEPT COMPOSING	500	612	112	40	152
DATA ENTRY KEYERS, COMPOSING	32	40	8	8	16
ALL OTHER OFFICE MACHINE OPERATORS	166	216	50	42	92
SWITCHBOARD OPERATORS	223	277	54	45	99
MAIL CLERKS, EXC. MAIL MACHINE OPER. & POSTAL SERV.	14	19	5	1	6
MESSENGERS	50	61	11	5	16
DISPATCHERS: EXCEPT POLICE, FIRE, AND AMBULANCE	227	283	56	15	71
PRODUCTION, PLANNING, AND EXPEDITING CLERKS	1,863	2,360	497	413	910
WEIGHERS, MEASURERS, CHECKERS, AND SAMPLERS	137	171	34	8	42
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	1,528	1,930	402	137	539
SHIPPING, RECEIVING, AND TRAFFIC CLERKS	1,423	1,739	316	116	432
ALL OTHER MATERIAL RECORDING, SCHEDULING, & DIST.	143	177	34	9	43
ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	595	737	142	85	227
SERVICE OCCUPATIONS	**1,871**	**2,309**	**438**	**197**	**635**
FIRST LINE SUPERVISORS & MGRS./SUPERS.- SERVICE	125	158	33	19	52
GUARDS AND WATCH GUARDS	577	726	149	18	167
ALL OTHER PROTECTIVE SERVICE WORKERS	260	335	75	50	125
JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	825	995	170	101	271
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS	54	57	3	5	8
ALL OTHER SERVICE WORKERS	30	38	8	4	12
AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS	**63**	**76**	**13**	**2**	**15**
ALL OTHER TIMBER CUTTING AND RELATED LOGGING WORKERS	22	27	5	0	5
ALL OTHER AGRICULTURAL, FORESTRY, FISHING, & REL.	41	49	8	2	10
PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING	**74,433**	**92,057**	**17,624**	**7,663**	**25,287**
FIRST LINE SUPERS.- MECH., INSTALLERS, & REPAIRERS	411	507	96	32	128
FIRST LINE SUPERS.- CONSTRUCTION & EXTRACTIVE WRKRS.	36	43	7	1	8
FIRST LINE SUPERS.- PRODUCTION & OPERATING WRKRS.	3,936	4,892	956	318	1,274
FIRST LINE SUPERS.- TRANSP. & MATRL. MOVING- MACH.	204	242	38	23	61
FIRST LINE SUPERS.- HELPERS/LABORERS/MOVERS, HAND	123	135	12	13	25
ALL OTHER FIRST LINE SUPERS.-PROD./CONST./MAINT.	98	126	28	13	41
PRECISION INSPECTORS, TESTERS, AND GRADERS	1,755	2,235	480	257	737
PRODUCTION INSPECTORS, TESTERS, GRADERS, & SORTERS	2,503	3,130	627	368	995
MACHINERY MAINTENANCE MECHANICS	789	929	141	39	180
MACHINERY MAINTENANCE MECHANICS, SEWING MACHINES	47	59	12	2	14
ALL OTHER MACHINERY MAINTENANCE MECHANICS	47	52	5	1	6
MILLWRIGHTS	28	36	8	1	9
REFRACTORY MATERIALS REPAIRERS, EXC. BRICK MASONS	6	6	0	0	0
MACHINERY MAINTENANCE WORKERS	145	174	29	6	35
MAINTENANCE REPAIRERS, GENERAL UTILITY	720	882	162	30	192
BUS AND TRUCK MECHS., AND DIESEL ENGINE SPEC.	445	484	39	22	61

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

MARICOPA COUNTY (Contd.)

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
MOBILE HEAVY EQUIPMENT MECHANICS	28	31	3	2	5
AIRCRAFT MECHANICS	62	83	21	2	23
AIRCRAFT ENGINE SPECIALISTS	333	443	110	16	126
ELECTRONICS REPAIRERS, COMMERCIAL & INDUST. EQUIP.	139	178	39	6	45
ELECTRICAL INSTALLERS & REPAIRERS, TRANSP. EQUIP.	56	74	18	5	23
ALL OTHER ELEC. EQUIP. MECHS., INSTALL., & REPAIRERS	150	181	31	4	35
HEATING, A/C, & REFRIGERATION MECH. & INSTALLERS	185	218	33	11	44
PRECISION INSTRUMENT REPAIRERS	80	99	19	3	22
INSTALLERS/REPAIRERS- MANUFACTURED BUILDINGS	126	156	30	9	39
COIN AND VENDING MACHINE SERVICERS AND REPAIRERS	47	46	-1	3	2
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	649	814	165	31	196
CARPENTERS	419	526	107	34	141
ELECTRICIANS	376	471	95	20	115
CONCRETE AND TERRAZZO FINISHERS	109	119	10	5	15
PAINTERS AND PAPERHANGERS	48	62	14	1	15
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	229	300	71	14	85
ALL OTHER CONSTRUCTION TRADES WORKERS	14	16	2	0	2
ALL OTHER CONSTR. & EXTRACTIVE WRKRS. EXC. HELPERS	101	128	27	8	35
TOOL AND DIE MAKERS	512	630	118	59	177
MACHINISTS	3,011	3,679	668	228	896
TOOL GRINDERS, FILERS, AND SHARPENERS	222	293	71	15	86
PATTERN AND MODEL MAKERS, METAL	13	17	4	0	4
PRECISION LAYOUT WORKERS, METAL	63	82	19	2	21
PRECISION HAND WORKERS, JEWELRY AND RELATED	23	30	7	2	9
SHEET METAL WORKERS	822	1,091	269	36	305
ALL OTHER PRECISION METAL WORKERS	210	255	45	24	69
PATTERN AND MODEL MAKERS, WOOD	83	99	16	9	25
WOOD MACHINISTS	463	595	132	45	177
CABINETMAKERS AND BENCH CARPENTERS	988	1,253	265	64	329
FURNITURE FINISHERS	111	148	37	3	40
ALL OTHER PRECISION WOODWORKERS	80	100	20	6	26
FABRIC AND APPAREL PATTERNMAKERS, AND LAYOUT WRKRS.	39	51	12	1	13
UPHOLSTERERS	185	245	60	25	85
ALL OTHER PRECISION TEXTILE, APPAREL & FURNISHINGS	41	51	10	4	14
JOB PRINTERS	127	157	30	17	47
PRECISION LITHOGRAPHY AND PHOTOENGRAVING WORKERS	301	376	75	11	86
BOOKBINDERS	38	48	10	6	16
ALL OTHER PRECISION PRINTING WORKERS	202	253	51	26	77
BAKERS, MANUFACTURING	74	73	-1	11	10
FOOD BATCHMAKERS	266	262	-4	24	20
ALL OTHER PRECISION FOOD AND TOBACCO WORKERS	218	216	-2	20	18
PRECISION MOLDERS, SHAPERS, & CASTERS EXC. JEWELRY	39	43	4	2	6
PRECISION DETAIL DESIGN DECORATORS & PAINTERS	82	104	22	4	26
PRECISION PHOTOGRAPHIC PROCESS WORKERS	34	43	9	3	12

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

MARICOPA COUNTY (Contd.)

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
MEDICAL APPLIANCE MAKERS	30	40	10	3	13
ALL OTHER PRECISION WORKERS	1,018	1,326	308	125	433
SAWING MACH. TOOL SETTER/OPER., METAL AND PLASTIC	87	111	24	3	27
LATHE/TURNING MACH. TOOL SET./OPER., METAL & PLAST.	775	1,000	225	99	324
DRILLING/BORING MACH.TOOL SET./OPER., METAL & PLAST.	347	445	98	29	127
MILLING/PLANING MACH. SET./OPER., METAL & PLAST.	241	295	54	27	81
GRINDING/BUFFING MACH. SET./OPER., METAL & PLAST.	769	1,004	235	52	287
MACHINE TOOL CUTTING OPER. AND TEND., METAL & PLAST.	1,090	1,400	310	69	379
PUNCHING MACH. SET./OPER., METAL AND PLASTIC	158	210	52	17	69
PRESS/BRAKE MACH. SET./OPER., METAL & PLAST.	137	173	36	6	42
SHEAR/SLITTER MACH. SET./OPER., METAL & PLAST.	55	71	16	2	18
MACHINE FORMING OPERATORS & TENDERS, METAL & PLAST.	320	414	94	26	120
NUMERICAL CONTROL MACH.TOOL OP./TEND., MET. & PLAST.	567	709	142	72	214
COMBINATION MACH.TOOL SET./OPER., METAL & PLAST.	104	127	23	5	28
COMBINATION MACH. TOOL OP./TEND., METAL & PLAST.	194	233	39	21	60
WELDING MACHINE SETTERS AND SET-UP OPERATORS	131	167	36	8	44
WELDING MACHINE OPERATORS AND TENDERS	136	174	38	10	48
SOLDERING AND BRAZING MACHINE SETTERS/OPERATORS	18	23	5	0	5
PLASTIC MOLDING AND CASTING MACHINE SET./OPER.	133	162	29	8	37
PLASTIC MOLDING AND CASTING MACHINE OP./TEND.	372	450	78	48	126
METAL MOLDING, COREMAKING, & CASTING SET./OPER.	40	51	11	2	13
ELECTROLYTIC PLATING SET./OPER., METAL & PLAST.	261	347	86	24	110
ELECTROLYTIC PLATING OPER./TEND., METAL & PLAST.	178	234	56	17	73
HEATING EQUIPMENT SETTERS/OPER. METAL & PLAST.	112	148	36	7	43
HEAT TREATING & TEMPERING MACH. OP./ TEND., M. & P.	107	135	28	6	34
FURNACE OPERATORS AND TENDERS	41	50	9	1	10
ALL OTHER METAL AND PLASTIC MACHINE SET./OPER.	736	921	185	62	247
ALL OTHER METAL AND PLASTIC MACHINE OPER./TEND.	287	355	68	25	93
SAWING MACHINE SETTERS/OPERATORS	54	67	13	3	16
SAWING MACHING OPERATORS/TENDERS	250	318	68	23	91
WOODWORKING MACHINE SET./OPER. EXCEPT SAWING	93	123	30	10	40
WOODWORKING MACHINE OP./TENDERS EXCEPT SAWING	184	238	54	16	70
PRINTING PRESS MACHINE SETTERS/OPERATORS	38	48	10	1	11
OFFSET LITHOGRAPHIC PRESS SETTERS/OPERATORS	820	1,021	201	55	256
PHOTOENGRAVING AND LITHOGRAPHING PHOTOGRAPHERS	143	178	35	4	39
SPECIALTY MATERIALS PRINTING MACH. SET./OPER.	72	90	18	7	25
SCREEN PRINTING MACHINE SETTERS/OPERATORS	197	251	54	35	89
BINDERY MACHINE SETTERS/OPERATORS	147	183	36	18	54
ALL OTHER PRINTING RELATED SETTERS/OPERATORS	447	557	110	27	137
TYPESETTING AND COMPOSING MACHINE OPER./TEND.	285	357	72	79	151
PRINTING PRESS MACHINE OPERATORS AND TENDERS	524	650	126	54	180
BINDERY MACHINE OPERATORS	255	313	58	25	83

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

MARICOPA COUNTY (Contd.)

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
ALL OTHER PRINTING, BINDING, & REL. MACH. OP./TEND.	56	72	16	3	19
SEWING MACHINE OPERATORS, GARMENT	1,339	1,669	330	179	509
SEWING MACHINE OPERATORS, NON-GARMENT	608	771	163	79	242
PRESSING MACH. OP./TEND.- TEXTILE, GARMENT, & REL.	55	70	15	6	21
ELECTRONIC SEMICONDUCTOR PROCESSORS	3,041	3,871	830	327	1,157
PAPER GOODS MACHINE SETTERS/OPERATORS	122	147	25	11	36
COOKING MACHINE OP./TENDERS, FOOD AND TOBACCO	39	37	-2	5	3
ROASTING, & DRYING MACH. OP./TEND., FOOD & TOBACCO	144	142	-2	14	12
FURNACE, KILN, OVEN, DRIER, OR KETTLE OP./TEND.	63	70	7	5	12
COOLING AND FREEZING EQUIP. OPERATORS AND TENDERS	76	75	-1	7	6
DAIRY PROCESSING EQUIP. OPERATORS, INCL. SETTERS	70	69	-1	8	7
CHEMICAL EQUIPMENT TENDERS	35	40	5	2	7
CUTTING AND SLICING MACHINE SETTERS/OPERATORS	154	185	31	10	41
CUTTING AND SLICING MACHINE OPERATORS AND TENDERS	269	307	38	21	59
COATING, PAINTING , AND SPRAYING MACH. SET./OPER.	251	319	68	21	89
COATING, PAINTING, AND SPRAYING MACH. OP./TEND.	329	414	85	26	111
CEMENTING AND GLUING MACHINE OPERATORS AND TENDERS	132	164	32	9	41
CLEANING, PICKLING, AND WASHING EQUIPMENT OP./TEND.	51	58	7	3	10
SEPARATING, FILTERING ,...AND STILL MACH. OP./TEND.	26	29	1	1	2
CRUSHING AND MIXING MACHINE OPERATORS AND TENDERS	478	525	47	36	83
EXTRUDING, FORMING , AND PRESSING MACH. SET./OPER.	211	249	38	18	56
EXTRUDING, FORMING, AND PRESSING MACH. OPER./TEND.	228	263	35	19	54
PACKAGING & FILLING MACHINE OPERATORS AND TENDERS	1,227	1,319	92	112	204
ALL OTHER MACHINE SETTERS AND SET-UP OPERATORS	357	443	86	33	119
ALL OTHER MACHINE OPERATORS AND TENDERS	1,168	1,445	277	112	389
AIRCRAFT STRUCTURE & SYSTEMS ASSEMBLERS- PRECISION	212	281	69	46	115
MACHINE BUILDERS & OTHER PRECISION MACH. ASSEMBLERS	601	759	158	39	197
ELECTROMECHANICAL EQUIP. ASSEMBLERS- PRECISION	1,140	1,435	295	237	532
ELECTRICAL & ELECTRONIC EQUIP. ASSEMBLERS- PRECISION	7,456	9,559	2,103	1,603	3,706
ALL OTHER PRECISION ASSEMBLERS	128	175	47	11	58
MACHINE ASSEMBLERS	809	999	190	82	272
ELECTRICAL AND ELECTRONIC ASSEMBLERS	1,698	2,112	414	177	591
GLAZIERS, MANUFACTURING	76	95	19	7	26
WELDERS AND CUTTERS	1,007	1,290	283	69	352
SOLDERERS AND BRAZERS	60	75	15	2	17
CUTTERS AND TRIMMERS, HAND	148	183	35	8	43
PORTABLE MACHINE CUTTERS	35	44	9	3	12
METAL POURERS AND CASTERS, BASIC SHAPES	25	32	7	0	7
MOLDERS AND CASTERS, HAND	197	231	34	11	45
PAINTING , COATING, AND DECORATING WORKERS- HAND	158	201	43	8	51
ENGRAVING AND PRINTING WORKERS, HAND	21	28	7	0	7
GRINDING AND POLISHING WORKERS, HAND	297	383	86	25	111
ASSEMB.& FABRICATORS- EXC. MACH., ELEC., & PRECISION	4,844	6,101	1,257	499	1,756
ALL OTHER HAND WORKERS	1,034	1,212	178	92	270

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

MARICOPA COUNTY (Contd.)

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
PLANT AND SYSTEM OCCUPATIONS	18	21	3	0	3
STATIONARY ENGINEERS	29	38	9	2	11
ALL OTHER PLANT AND SYSTEM OPERATORS	33	40	7	2	9
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	1,459	1,626	167	65	232
TRUCK DRIVERS, LIGHT- INCL. DELIVERY & ROUTE WRKRS.	983	1,143	160	40	200
DRIVER/SALES WORKERS	741	802	61	37	98
ALL OTHER MOTOR VEHICLE OPERATORS	66	87	21	3	24
ALL OTHER TRANSPORTATION AND RELATED WORKERS	43	56	13	2	15
CRANE AND TOWER OPERATORS	61	72	11	3	14
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	701	814	113	25	138
CONVEYOR OPERATORS AND TENDERS	187	210	23	14	37
OPERATING ENGINEERS	260	283	23	18	41
ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	97	114	17	2	19
MECHANIC AND REPAIRER HELPERS	98	118	20	6	26
CONSTRUCTION TRADES AND EXTRACTIVE HELPERS	60	76	16	3	19
MACHINE FEEDERS AND OFFBEARERS	761	926	165	66	231
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	1,356	1,620	264	122	386
HAND PACKERS AND PACKAGERS	1,152	1,403	251	95	346
VEHICLE WASHERS AND EQUIPMENT CLEANERS	16	16	0	0	0
ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	1,192	1,404	212	94	306
TOTAL OF ALL OCCUPATIONS	**137,707**	**171,303**	**33,596**	**14,243**	**47,839**

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

MOHAVE COUNTY

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	**158**	**208**	**50**	**4**	**54**
FINANCIAL MANAGERS	12	20	8	0	8
MARKETING, ADVERTISING, & PUBLIC RELATIONS MGRS.	10	12	2	0	2
ENGINEERING, MATHEMATICAL & NATURAL SCIENCES MGRS.	7	11	4	0	4
INDUSTRIAL PRODUCTION MANAGERS	25	35	10	1	11
GENERAL MANAGERS AND TOP EXECUTIVES	90	114	24	3	27
ALL OTHER MANAGERS AND ADMINISTRATORS	14	16	2	0	2
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	**157**	**217**	**60**	**7**	**67**
ACCOUNTANTS AND AUDITORS	6	10	4	0	4
PURCHASING AGENTS -EXC. WHOLESALE, RETAIL, & FARM	7	11	4	0	4
ALL OTHER MANAGEMENT SUPPORT WORKERS	6	7	1	0	1
MECHANICAL ENGINEERS	13	18	5	0	5
ALL OTHER ENGINEERS	11	14	3	0	3
CIVIL ENGINEERING TECHNICIANS	21	25	4	2	6
MECHANICAL ENGINEERING TECHNICIANS	20	29	9	0	9
ALL OTHER ENGINEERING TECHNICIANS	14	17	3	1	4
COMPUTER PROGRAMMERS	10	21	11	0	11
REPORTERS AND CORRESPONDENTS	12	15	3	1	4
ALL OTHER PROFESSIONAL, PARAPROF., & TECHNICAL	37	50	13	3	16
SALES AND RELATED OCCUPATIONS	**37**	**55**	**18**	**2**	**20**
SALES AGENTS, ADVERTISING	17	22	5	1	6
SALES REPS., SCIEN. & REL. PROD. & SVCS.-EXC. RET.	6	13	7	0	7
ALL OTHER SALES AND RELATED WORKERS	14	20	6	1	7
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	**387**	**517**	**130**	**39**	**169**
FIRST LINE SUPERVISORS, CLERICAL	12	17	5	0	5
SECRETARIES	44	58	14	6	20
STENOGRAPHERS	12	14	2	2	4
RECEPTIONISTS AND INFORMATION CLERKS	16	18	2	1	3
ORDER CLERKS- MATERIALS, MERCHANDISE, AND SERVICE	13	17	4	1	5
BOOKKEEPING AND ACCOUNTING CLERKS	37	60	23	5	28
GENERAL OFFICE CLERKS	36	46	10	1	11
DATA ENTRY KEYERS, EXCEPT COMPOSING	16	21	5	1	6
ALL OTHER OFFICE MACHINE OPERATORS	17	21	4	4	8
ALL COMMUNICATIONS EQUIPMENT OPERATORS	1	1	0	0	0
PRODUCTION, PLANNING, AND EXPEDITING CLERKS	54	66	12	10	22
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	32	44	12	3	15
SHIPPING, RECEIVING, AND TRAFFIC CLERKS	68	94	26	4	30
ALL OTHER MATERIAL RECORDING, SCHEDULING, & DIST.	1	1	0	0	0
ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	28	39	11	1	12

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

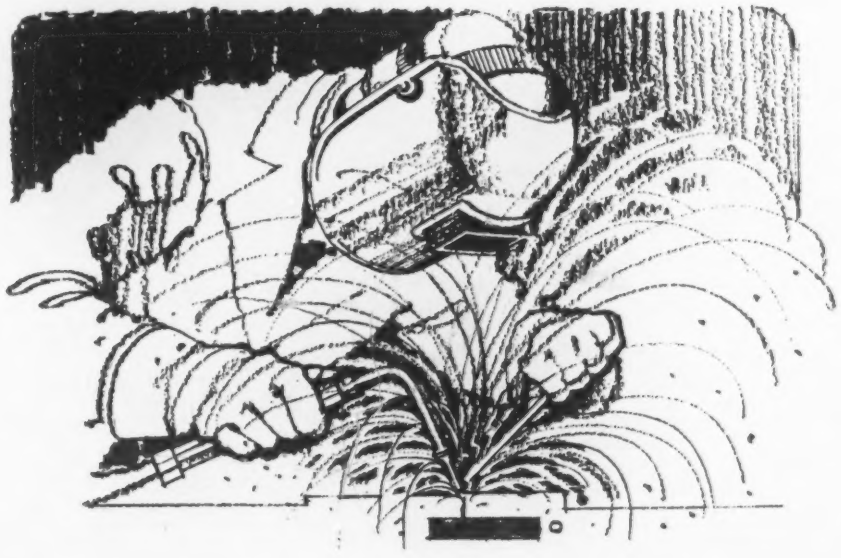
MOHAVE COUNTY (Contd.)

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
SERVICE OCCUPATIONS	**38**	**50**	**12**	**0**	**12**
ALL SERVICE SUPERVISORS AND MGR./SUPERVISORS	2	2	0	0	0
GUARDS AND WATCH GUARDS	29	37	8	0	8
JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	7	11	4	0	4
PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING	**2,091**	**2,919**	**828**	**154**	**982**
FIRST LINE SUPERS.- MECH., INSTALLERS, & REPAIRERS	10	15	5	0	5
FIRST LINE SUPERS.- PRODUCTION & OPERATING WRKRS.	89	128	39	3	42
FIRST LINE SUPERS.- TRANSP. & MATRL. MOVING- MACH.	7	10	3	0	3
ALL OTHER FIRST LINE SUPERS.-PROD./CONST./MAINT.	4	7	3	0	3
PRECISION INSPECTORS, TESTERS, AND GRADERS	18	29	11	2	13
PRODUCTION INSPECTORS, TESTERS, GRADERS, & SORTERS	28	38	10	3	13
ALL OTHER INSPECTORS, TESTERS, AND REL. OCCUPATIONS	1	1	0	0	0
MACHINERY MAINTENANCE MECHANICS	63	99	36	2	38
MAINTENANCE REPAIRERS, GENERAL UTILITY	19	24	5	0	5
AUTOMOTIVE MECHANICS	83	102	19	5	24
BUS AND TRUCK MECHS., AND DIESEL ENGINE SPEC.	9	11	2	0	2
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	21	27	6	0	6
CARPENTERS	9	11	2	0	2
ALL OTHER CONSTRUCTION TRADES WORKERS	3	4	1	0	1
ALL OTHER CONSTR. & EXTRACTIVE WRKRS. EXC. HELPERS	20	22	2	2	4
TOOL AND DIE MAKERS	26	42	16	3	19
ALL OTHER PRECISION METAL WORKERS	24	29	5	0	5
ALL PRECISION WOODWORKERS	20	19	-1	0	-1
ALL PRECISION PRINTING WORKERS	11	13	2	0	2
ALL PRECISION FOOD AND TOBACCO WORKERS	3	4	1	0	1
PRECISION FOUNDRY MOLD AND CORE MAKERS	9	11	2	0	2
ALL OTHER PRECISION WORKERS	11	15	4	0	4
GRINDING/BUFFING MACH. SET./OPER., METAL & PLAST.	6	10	4	0	4
MACHINE FORMING OPERATORS & TENDERS, METAL & PLAST.	63	143	80	8	88
COMBINATION MACH.TOOL SET./OPER., METAL & PLAST.	32	42	10	2	12
SOLDERING & BRAZING MACHINE OPERATORS & TENDERS	6	8	2	0	2
METAL MOLDING, COREMAKING, & CASTING SET./OPER.	22	30	8	1	9
HEAT TREATING & TEMPERING MACH. OP./ TEND., M. & P.	6	8	2	0	2
ALL OTHER METAL AND PLASTIC MACHINE SET./OPER.	33	54	21	0	21
ALL OTHER METAL AND PLASTIC MACHINE OPER./TEND.	208	299	91	21	112
ALL PRINTING PRESS SETTERS AND SET-UP OPERATORS	19	26	7	0	7
ALL OTHER PRINTING RELATED SETTERS/OPERATORS	14	20	6	0	6
PRINTING PRESS MACHINE OPERATORS AND TENDERS	27	36	9	2	11
ALL OTHER PRINTING, BINDING, & REL. MACH. OP./TEND.	19	26	7	4	11
SEWING MACHINE OPERATORS, NON-GARMENT	120	179	59	16	75
COATING, PAINTING , AND SPRAYING MACH. SET./OPER.	28	42	14	1	15
COATING, PAINTING, AND SPRAYING MACH. OP./TEND.	47	94	47	4	51

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

MOHAVE COUNTY (Contd.)

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
CLEANING, PICKLING, AND WASHING EQUIPMENT OP./TEND.	5	7	2	0	2
CRUSHING AND MIXING MACHINE OPERATORS AND TENDERS	11	13	2	0	2
PACKAGING & FILLING MACHINE OPERATORS AND TENDERS	88	140	52	9	61
ALL OTHER MACHINE SETTERS AND SET-UP OPERATORS	12	14	2	0	2
ALL OTHER MACHINE OPERATORS AND TENDERS	19	26	7	0	7
ALL OTHER PRECISION ASSEMBLERS	22	28	6	4	10
COIL WINDERS, TAPERS, AND FINISHERS	7	10	3	0	3
GRINDING AND POLISHING WORKERS, HAND	9	11	2	0	2
ASSEMB.& FABRICATORS- EXC. MACH., ELEC., & PRECISION	465	570	105	45	150
ALL OTHER HAND WORKERS	114	137	23	9	32
ALL PLANT AND SYSTEM OPERATORS	1	2	1	0	1
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	64	85	21	3	24
TRUCK DRIVERS, LIGHT- INCL. DELIVERY & ROUTE WRKRS.	24	31	7	0	7
ALL OTHER MOTOR VEHICLE OPERATORS	1	2	1	0	1
OPERATING ENGINEERS	6	8	2	0	2
ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	4	5	1	0	1
MACHINE FEEDERS AND OFFBEARERS	10	12	2	0	2
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	26	48	22	1	23
HAND PACKERS AND PACKAGERS	39	49	10	2	12
ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	26	43	17	2	19
TOTAL OF ALL OCCUPATIONS	**2,868**	**3,966**	**1,098**	**206**	**1,304**



ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

NAVAJO COUNTY

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	**95**	**116**	**21**	**4**	**25**
GENERAL MANAGERS AND TOP EXECUTIVES	42	47	5	1	6
ALL OTHER MANAGERS AND ADMINISTRATORS	53	69	16	3	19
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	**75**	**91**	**16**	**4**	**20**
ALL FINANCIAL SPECIALISTS	9	11	2	1	3
ALL OTHER MANAGEMENT SUPPORT WORKERS	9	11	2	0	2
ALL ENGINEERS	7	9	2	0	2
ALL ENGINEERING TECHNICIANS	3	4	1	0	1
ALL LIFE SCIENTISTS	2	2	0	0	0
ALL PHYSICAL & LIFE SCIENCE TECHS.& TECHNOLOGISTS	26	28	2	1	3
REPORTERS AND CORRESPONDENTS	15	19	4	2	6
ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	4	7	3	0	3
SALES AND RELATED OCCUPATIONS	**49**	**63**	**14**	**3**	**17**
SALES AGENTS, ADVERTISING	9	11	2	1	3
SALES REPS., EXCEPT SCIENTIFIC, RELATED, AND RETAIL	21	28	7	1	8
ALL OTHER SALES AND RELATED WORKERS	19	24	5	1	6
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	**169**	**215**	**46**	**14**	**60**
FIRST LINE SUPERVISORS, CLERICAL	6	8	2	0	2
SECRETARIES	28	34	6	4	10
BOOKKEEPING AND ACCOUNTING CLERKS	34	41	7	4	11
GENERAL OFFICE CLERKS	12	15	3	0	3
ALL OFFICE MACHINE OPERATORS	6	8	2	0	2
ALL COMMUNICATIONS EQUIPMENT OPERATORS	1	1	0	0	0
WEIGHERS, MEASURERS, CHECKERS, AND SAMPLERS	6	6	0	0	0
ALL OTHER MATRL. RECORD., SCHEDULING & DISTR. WRKRS.	48	63	15	3	18
ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	28	39	11	3	14
SERVICE OCCUPATIONS	**11**	**14**	**3**	**1**	**4**
ALL CLEANING AND BUILDING SERVICE WORKERS	11	14	3	1	4
AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS	**212**	**203**	**-9**	**14**	**5**
FALLERS AND BUCKERS	67	63	-4	5	1
LOG HANDLING EQUIPMENT OPERATORS	54	54	0	6	6
LOGGING TRACTOR OPERATORS	40	38	-2	2	0
ALL OTHER TIMBER CUTTING AND REL. LOGGING WORKERS	5	5	0	0	0
LOG GRADERS AND SCALERS	28	26	-2	1	-1
ALL OTHER AGRIC., FOREST., FISHING, & REL. WORKERS	18	17	-1	0	-1
PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING	**1,308**	**1,474**	**166**	**83**	**249**
FIRST LINE SUPERS.- PRODUCTION & OPERATING WRKRS.	42	44	2	0	2
ALL OTHER FIRST LINE SUPERS.- PROD./CONSTR./MAINT.	26	34	8	3	11

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

NAVAJO COUNTY (Contd.)

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
PRODUCTION INSPECTORS, TESTERS, GRADERS, & SORTERS	20	20	0	1	1
ALL OTHER INSPECTORS, TESTERS, AND REL. OCCUPATIONS	7	8	1	0	1
MACHINERY MAINTENANCE MECHANICS	7	7	0	0	0
ALL OTHER MACHINERY MAINTENANCE MECHANICS	15	20	5	0	5
BUS AND TRUCK MECHS., AND DIESEL ENGINE SPECIALISTS	17	19	2	0	2
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	123	159	36	6	42
ALL CONSTRUCTION TRADES WORKERS	21	26	5	0	5
ALL PRECISION METAL WORKERS	11	13	2	0	2
ALL PRECISION WOODWORKERS	10	10	0	0	0
ALL PRECISION PRINTING WORKERS	2	4	2	0	2
ALL PRECISION FOOD AND TOBACCO WORKERS	5	6	1	0	1
ALL OTHER PRECISION WORKERS	3	6	3	0	3
ALL METAL AND PLASTIC MACHINE OPERATORS & TENDERS	2	3	1	0	1
HEAD SAWYERS	22	21	-1	2	1
SAWING MACHING OPERATORS/TENDERS	89	84	-5	8	3
WOODWORKING MACHINE SET./OPER., EXCEPT SAWING	11	11	0	0	0
ALL PRINTING PRESS SETTERS/OPERATORS	2	4	2	0	2
ALL OTHER PRINTING RELATED SETTERS/OPERATORS	2	4	2	0	2
TYPESETTING AND COMPOSING MACHINE OPER./TEND.	9	11	2	2	4
PRINTING PRESS MACHINE OPERATORS AND TENDERS	12	16	4	0	4
ALL OTHER MACHINE SETTERS AND SET-UP OPERATORS	25	23	-2	2	0
ALL OTHER MACHINE OPERATORS AND TENDERS	222	278	56	20	76
ALL OTHER HAND WORKERS	26	33	7	1	8
ALL PLANT AND SYSTEM OPERATORS	6	8	2	0	2
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	60	63	3	1	4
ALL OTHER MOTOR VEHICLE OPERATORS	60	79	19	1	20
ALL OTHER TRANSPORTATION AND RELATED WORKERS	3	4	1	0	1
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	40	44	4	1	5
ALL MATERIAL MOVING EQUIPMENT OPERATORS	2	2	0	0	0
MACHINE FEEDERS AND OFFBEARERS	173	162	-11	16	5
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	35	37	2	3	5
ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	198	211	13	14	27
TOTAL OF ALL OCCUPATIONS	**1,919**	**2,176**	**257**	**123**	**380**

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

PIMA COUNTY

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	**2,623**	**3,401**	**778**	**276**	**1,054**
FINANCIAL MANAGERS	145	190	45	14	59
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	42	53	11	3	14
PURCHASING MANAGERS	75	94	19	5	24
MARKETING, ADVERTISING, AND PUBLIC RELATIONS MGRS.	137	167	30	10	40
ENGINEERING, MATHEMATICAL & NATURAL SCIENCES MGRS.	833	1,089	256	101	357
INDUSTRIAL PRODUCTION MANAGERS	541	690	149	68	217
GENERAL MANAGERS AND TOP EXECUTIVES	574	739	165	47	212
ALL OTHER MANAGERS AND ADMINISTRATORS	276	379	103	28	131
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	**8,864**	**11,300**	**2,436**	**566**	**3,002**
ACCOUNTANTS AND AUDITORS	131	155	24	11	35
BUDGET ANALYSTS	15	17	2	1	3
ALL OTHER FINANCIAL SPECIALISTS	107	151	44	13	57
PURCHASING AGENTS -EXC. WHOLESALE, RETAIL, AND FARM	210	267	57	16	73
PERSONNEL, TRAINING, & LABOR RELATIONS SPECIALISTS	95	118	23	7	30
COST ESTIMATORS	76	89	13	12	25
ALL OTHER MANAGEMENT SUPPORT WORKERS	607	767	160	70	230
CHEMICAL ENGINEERS	31	39	8	1	9
ELECTRICAL AND ELECTRONIC ENGINEERS	1,716	2,214	498	76	574
INDUSTRIAL ENGINEERS, EXCEPT SAFETY	390	454	64	20	84
SAFETY ENGINEERS, EXCEPT MINING	7	8	1	0	1
MECHANICAL ENGINEERS	843	1,125	282	36	318
ALL OTHER ENGINEERS	616	715	99	31	130
CIVIL ENGINEERING TECHNICIANS	11	13	2	1	3
ELECTRICAL AND ELECTRONIC ENGINEERING TECHNICIANS	1,031	1,311	280	44	324
INDUSTRIAL ENGINEERING TECHNICIANS	106	123	17	8	25
MECHANICAL ENGINEERING TECHNICIANS	91	109	18	0	18
DRAFTERS	215	281	66	11	77
ALL OTHER ENGINEERING TECHNICIANS	453	600	147	40	187
PHYSICAL SCIENTISTS	122	140	18	6	24
CHEMISTS, EXCEPT BIOCHEMISTS	23	32	9	0	9
CHEMICAL TECHNICIANS, EXCEPT HEALTH	20	28	8	0	8
ALL OTHER SCIENCE TECHNICIANS	2	3	1	0	1
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	164	213	49	4	53
PROGRAMMERS: NUMERICAL, TOOL, AND PROCESS	5	5	0	0	0
OPERATIONS AND SYSTEMS ANALYSTS, EXCEPT COMPUTER	20	27	7	0	7
ALL OTHER MATHEMATICAL SCIENTISTS	31	36	5	2	7
HEALTH PRACTITIONERS, TECHNICIANS, AND RELATED	9	10	1	0	1
WRITERS AND EDITORS	171	214	43	28	71
TECHNICAL WRITERS	29	32	3	1	4
REPORTERS AND CORRESPONDENTS	83	104	21	15	36

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

PIMA COUNTY (Contd.)

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
PHOTOGRAPHERS	21	27	6	1	7
ARTISTS AND RELATED WORKERS	98	121	23	16	39
DESIGNERS, EXCEPT INTERIOR DESIGNERS	139	179	40	7	47
ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	1,176	1,573	397	88	323
SALES AND RELATED OCCUPATIONS	**892**	**1,080**	**188**	**95**	**283**
FIRST LINE SUPERVISORS, SALES	85	103	18	6	24
SALES AGENTS, ADVERTISING	89	112	23	9	32
SALES ENGINEERS	53	67	14	2	16
SALES REPS., SCIEN. & REL. PROD. & SVCS.-EXC. RET.	81	96	15	5	20
SALES REPS., EXCEPT SCIENTIFIC, RELATED, AND RETAIL	360	442	82	45	127
SALESPERSONS, RETAIL	76	88	12	6	18
CASHIERS	26	30	4	3	7
VENDORS, TELEPHONE SOLICITORS, DOOR-TO-DOOR, & REL.	53	65	12	12	24
ALL OTHER SALES AND RELATED WORKERS	69	77	8	7	15
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	**4,961**	**6,295**	**1,334**	**759**	**2,093**
FIRST LINE SUPERVISORS, CLERICAL	187	231	44	16	60
ADJUSTMENT CLERKS	23	28	5	1	6
ADVERTISING CLERKS	35	43	8	7	15
SECRETARIES	702	883	181	162	343
RECEPTIONISTS AND INFORMATION CLERKS	36	46	10	3	13
TYPISTS	13	15	2	2	4
TYPISTS, WORD PROCESSING EQUIPMENT	58	69	11	6	17
PERSONNEL CLERKS, EXCEPT PAYROLL	36	43	7	7	14
FILE CLERKS	12	14	2	3	5
ORDER CLERKS- MATERIALS, MERCHANDISE, AND SERVICE	112	138	26	17	43
PROCUREMENT CLERKS	34	43	9	1	10
STATISTICAL CLERKS	9	12	3	1	4
BOOKKEEPING AND ACCOUNTING CLERKS	352	427	75	54	129
PAYROLL AND TIMEKEEPING CLERKS	29	34	5	0	5
BILLING, COST AND RATE CLERKS	33	39	6	2	8
GENERAL OFFICE CLERKS	671	871	200	138	338
DATA ENTRY KEYERS, EXCEPT COMPOSING	95	115	20	5	25
ALL OTHER OFFICE MACHINE OPERATORS	277	382	105	37	142
SWITCHBOARD OPERATORS	42	50	8	4	12
MESSENGERS	8	9	1	0	1
DISPATCHERS: EXCEPT POLICE, FIRE, AND AMBULANCE	30	39	9	1	10
PRODUCTION, PLANNING, AND EXPEDITING CLERKS	913	1,228	315	210	525
WEIGHERS, MEASURERS, CHECKERS, AND SAMPLERS	20	25	5	0	5
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	612	755	143	55	198
SHIPPING, RECEIVING, AND TRAFFIC CLERKS	221	275	54	10	64
ALL OTHER MATERIAL RECORDING, SCHEDULING, & DISTRIB.	124	145	21	13	34
ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	277	336	59	4	63

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

PIMA COUNTY (Contd.)

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
SERVICE OCCUPATIONS	**433**	**524**	**91**	**36**	**127**
FIRST LINE SUPERVISORS & MGRS./SUPERS.- SERVICE	21	25	4	3	7
GUARDS AND WATCH GUARDS	153	178	25	5	30
ALL FOOD SERVICE WORKERS	11	13	2	1	3
JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	243	302	59	26	85
ALL OTHER SERVICE WORKERS	5	6	1	1	2
AGRICULTURAL, FORESTRY, FISHING, & REL. OCCUPATIONS	**4**	**5**	**1**	**0**	**1**
PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING	**16,777**	**21,088**	**4,311**	**1,872**	**6,183**
FIRST LINE SUPERS.- MECH., INSTALLERS, & REPAIRERS	87	107	20	5	25
FIRST LINE SUPERS.- CONSTRUCTION & EXTRACTIVE WRKRS.	13	17	4	1	5
FIRST LINE SUPERS.- PRODUCTION & OPERATING WORKERS	1,040	1,297	257	72	329
FIRST LINE SUPERS.- TRANSP. & MATRL. MOVING- MACH.	17	21	4	0	4
FIRST LINE SUPERS.- HELPERS/LABORERS/MOVERS, HAND	96	114	18	12	30
ALL OTHER FIRST LINE SUPERS.-PROD./CONST./MAINT.	1	2	1	0	1
PRECISION INSPECTORS, TESTERS, AND GRADERS	768	948	180	114	294
PRODUCTION INSPECTORS, TESTERS, GRADERS, & SORTERS	462	579	117	58	175
ALL MACHINERY MAINTENANCE MECHANICS	190	244	54	5	59
MACHINERY MAINTENANCE WORKERS	50	60	10	3	13
MAINTENANCE REPAIRERS, GENERAL UTILITY	226	303	77	8	85
AUTOMOTIVE MECHANICS	16	20	4	0	4
BUS AND TRUCK MECHS., AND DIESEL ENGINE SPECIALISTS	69	93	24	3	27
ALL ELEC. & ELECTR. EQUIP. MECHS./INSTALL./ REPAIR.	227	343	116	7	123
HEATING, A/C, & REFRIGERATION MECHS. & INSTALLERS	25	30	5	1	6
PRECISION INSTRUMENT REPAIRERS	39	48	9	1	10
COIN & VENDING MACHINE SERVICERS AND REPAIRERS	17	19	2	1	3
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	259	311	52	8	60
CARPENTERS	65	84	19	4	23
ELECTRICIANS	85	99	14	4	18
PAINTERS AND PAPERHANGERS	9	10	1	0	1
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	26	29	3	1	4
ALL OTHER CONSTRUCTION TRADES WORKERS	13	18	5	0	5
EXTRACTIVE AND RELATED WORKERS- INCLUDING BLASTERS	13	18	330	1	331
ALL OTHER CONSTR. & EXTRACTIVE WRKRS. EXC. HELPERS	42	48	6	4	10
TOOL AND DIE MAKERS	148	179	31	15	46
MACHINISTS	355	485	130	23	153
PRECISION LAYOUT WORKERS, METAL	13	16	3	0	3
SHEET METAL WORKERS	182	223	41	6	47
ALL OTHER PRECISION METAL WORKERS	72	90	18	5	23
CABINETMAKERS AND BENCH CARPENTERS	90	113	23	4	27
FURNITURE FINISHERS	36	48	12	1	13
ALL OTHER PRECISION WOODWORKERS	121	151	30	10	40

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

PIMA COUNTY (Contd.)

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
ALL PRECISION TEXTILE, APPAREL AND FURNISHINGS	10	10	0	0	0
PRECISION COMPOSITORS, TYPESETTERS, AND ARRANGERS	13	16	3	1	4
JOB PRINTERS	127	158	31	17	48
PRECISION LITHOGRAPHY & PHOTOENGRAVING WORKERS	55	69	14	1	15
ALL OTHER PRECISION PRINTING WORKERS	11	14	3	2	5
FOOD BATCHMAKERS	90	100	10	8	18
ALL OTHER PRECISION FOOD AND TOBACCO WORKERS	4	5	1	0	1
PRECISION DETAIL DESIGN DECORATORS AND PAINTERS	65	80	15	3	18
ALL OTHER PRECISION WORKERS	233	281	48	16	64
LATHE/TURNING MACH. TOOL SET./OPER., METAL & PLAST.	30	45	15	3	18
DRILLING/BORING MACH.TOOL SET./OPER., METAL & PLAST.	27	36	9	1	10
MILLING/PLANING MACH. SET./OPER., METAL & PLAST.	21	29	8	1	9
GRINDING/BUFFING MACH. SET./OPER., METAL & PLAST.	20	30	10	0	10
MACHINE TOOL CUTTING OPER. AND TEND., METAL & PLAST.	131	170	39	7	46
PUNCHING MACH. SET./OPER., METAL & PLAST.	10	12	2	0	2
PRESS/BRAKE MACH. SET./OPER., METAL & PLAST.	118	147	29	9	38
SHEAR/SLITTER MACH. SET./OPER., METAL & PLAST.	10	12	2	0	2
MACHINE FORMING OPERATORS & TENDERS, METAL & PLAST.	27	31	4	1	5
METAL MOLDING, COREMAKING, & CASTING SET./OPER.	25	48	23	2	25
ELECTROLYTIC PLATING SET./OPER., METAL & PLAST.	9	13	4	0	4
ELECTROLYTIC PLATING OPER./TEND., METAL & PLAST.	53	64	11	4	15
HEAT TREATING & TEMPERING MACH. OP./ TEND., M. & P.	12	15	3	0	3
ALL OTHER METAL AND PLASTIC MACHINE SET./OPER.	122	152	30	5	35
ALL OTHER METAL AND PLASTIC MACHINE OPER./TEND.	329	426	97	35	132
SAWING MACHINE SETTERS/OPERATORS	8	10	2	0	2
WOODWORKING MACHINE OPERS./TENDERS, EXCEPT SAWING	23	24	6	1	7
OFFSET LITHOGRAPHIC PRESS SETTERS/OPERATORS	147	183	36	8	44
LETTERPRESS SETTERS/OPERATORS	56	70	14	2	16
PHOTOENGRAVING AND LITHOGRAPHING PHOTOGRAPHERS	26	33	7	0	7
SPECIALTY MATERIALS PRINTING MACH. SET./OPER.	31	37	6	1	7
SCREEN PRINTING MACHINE SETTERS/OPERATORS	18	23	5	3	8
BINDERY MACHINE SETTERS/OPERATORS	8	9	1	1	2
ALL OTHER PRINTING RELATED SETTERS/OPERATORS	2	2	0	0	0
TYPESETTING AND COMPOSING MACHINE OPER./TEND.	122	152	30	34	64
PRINTING PRESS MACHINE OPERATORS AND TENDERS	59	74	15	5	20
BINDERY MACHINE OPERATORS	41	51	10	3	13
ALL OTHER PRINTING, BINDING, & REL. MACH. OP./TEND.	9	10	1	0	1
SEWING MACHINE OPERATORS, GARMENT	88	91	3	10	13
ELECTRONIC SEMICONDUCTOR PROCESSORS	151	198	47	16	63
ROASTING, & DRYING MACH. OP./TEND., FOOD & TOBACCO	31	34	3	3	6
DAIRY PROCESSING EQUIP. OPERATORS, INCL. SETTERS	17	19	2	2	4
CUTTING AND SLICING MACHINE SETTERS/OPERATORS	15	17	2	0	2
COATING, PAINTING , AND SPRAYING MACH. SET./OPER.	36	44	8	2	10
COATING, PAINTING, AND SPRAYING MACH. OP./TEND.	11	14	3	0	3

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

PIMA COUNTY (Contd.)

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
CRUSHING AND MIXING MACHINE OPERATORS AND TENDERS	144	185	41	11	52
EXTRUDING, FORMING, AND PRESSING MACH. OP./TEND.	68	84	16	5	21
PACKAGING AND FILLING MACHINE OPERATORS AND TENDERS	188	215	27	14	41
ALL OTHER MACHINE SETTERS AND SET-UP OPERATORS	81	103	22	6	28
ALL OTHER MACHINE OPERATORS AND TENDERS	231	285	54	17	71
ELECTROMECHANICAL EQUIP. ASSEMBLERS- PRECISION	2,770	3,479	709	587	1,296
ELECTRICAL & ELECTRONIC EQUIP. ASSEMBLERS- PRECISION	1,311	1,689	378	277	655
ALL OTHER PRECISION ASSEMBLERS	249	288	39	36	75
ELECTRICAL AND ELECTRONIC ASSEMBLERS	372	472	100	38	138
WELDERS AND CUTTERS	189	235	46	11	57
SOLDERERS AND BRAZERS	33	42	9	3	12
CUTTERS AND TRIMMERS, HAND	7	7	0	0	0
PAINTING , COATING, AND DECORATING WORKERS- HAND	7	8	1	0	1
ASSEMB.& FABRICATORS- EXC. MACH., ELEC., & PRECISION	1,516	1,868	352	146	498
ALL OTHER HAND WORKERS	286	382	96	22	118
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	217	286	69	8	77
TRUCK DRIVERS, LIGHT- INCL. DELIVERY & ROUTE WRKRS.	324	391	67	12	79
DRIVER/SALES WORKERS	97	113	16	3	19
ALL OTHER TRANSPORTATION AND RELATED WORKERS	21	24	3	0	3
CRANE AND TOWER OPERATORS	17	23	6	0	6
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	97	118	21	3	24
CONVEYOR OPERATORS AND TENDERS	44	56	12	3	15
OPERATING ENGINEERS	175	239	64	12	76
ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	3	3	0	0	0
MECHANIC AND REPAIRER HELPERS	49	63	14	2	16
CONSTRUCTION TRADES AND EXTRACTIVE HELPERS	67	88	21	5	26
MACHINE FEEDERS AND OFFBEARERS	105	134	29	9	38
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	251	304	53	21	74
HAND PACKERS AND PACKAGERS	385	470	85	29	114
ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	150	204	54	8	62
TOTAL OF ALL OCCUPATIONS	**34,554**	**43,693**	**9,139**	**3,604**	**12,743**

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

PINAL COUNTY

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	**131**	**174**	**43**	**3**	**46**
FINANCIAL MANAGERS	10	14	4	0	4
PERSONNEL, TRAINING, & LABOR RELATIONS MANAGERS	5	8	3	0	3
INDUSTRIAL PRODUCTION MANAGERS	33	44	11	2	13
GENERAL MANAGERS AND TOP EXECUTIVES	67	86	19	1	20
ALL OTHER MANAGERS AND ADMINISTRATORS	16	22	6	0	6
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	**196**	**278**	**82**	**14**	**96**
ALL FINANCIAL SPECIALISTS	3	5	2	0	2
PURCHASING AGENTS -EXC. WHOLESALE, RETAIL, AND FARM	5	7	2	0	2
PERSONNEL, TRAINING, & LABOR RELATIONS SPECIALISTS	5	11	6	0	6
COST ESTIMATORS	10	14	4	1	5
ALL OTHER MANAGEMENT SUPPORT WORKERS	4	5	1	0	1
METALLURGISTS AND MATERIALS ENGINEERS	11	25	14	0	14
ALL OTHER ENGINEERS	44	60	16	1	17
ALL OTHER ENGINEERING TECHNICIANS	15	21	6	0	6
CHEMICAL TECHNICIANS, EXCEPT HEALTH	11	18	7	0	7
ALL OTHER PROFESSIONAL, PARAPROF., & TECHNICAL	88	112	24	12	36
SALES AND RELATED OCCUPATIONS	**95**	**119**	**24**	**10**	**34**
ALL SALES REPRESENTATIVES AND SALESPERSONS, SERVICE	21	26	5	1	6
ALL OTHER SALES AND RELATED WORKERS	8	10	2	1	3
SALES REPS., SCIEN. & REL. PROD. & SVCS.-EXC. RETAIL	9	11	2	0	2
SALES REPS - EXCEPT SCIENTIFIC, RELATED, AND RETAIL	57	72	15	8	23
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	**338**	**445**	**107**	**33**	**140**
FIRST LINE SUPERVISORS, CLERICAL	21	27	6	0	6
SECRETARIES	47	57	10	6	16
RECEPTIONISTS AND INFORMATION CLERKS	8	11	3	0	3
BOOKKEEPING AND ACCOUNTING CLERKS	49	59	10	6	16
GENERAL OFFICE CLERKS	68	93	25	12	37
ALL OFFICE MACHINE OPERATORS	3	5	2	0	2
DISPATCHERS: EXCEPT POLICE, FIRE, AND AMBULANCE	5	7	7	0	7
PRODUCTION, PLANNING, AND EXPEDITING CLERXS	33	45	12	6	18
WEIGHERS, MEASURERS, CHECKERS, AND SAMPLERS	5	8	3	0	3
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	22	32	10	0	10
SHIPPING, RECEIVING, AND TRAFFIC CLERKS	56	71	15	3	18
ALL OTHER MATERIAL RECORDING, SCHEDULING, & DISTRIB.	2	3	1	0	1
ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	19	27	8	0	8
SERVICE OCCUPATIONS	**65**	**120**	**55**	**7**	**62**
ALL SERVICE SUPERVISORS AND MGR./SUPERVISORS	4	7	3	0	3
ALL PROTECTIVE SERVICE WORKERS	3	7	4	0	4
JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	58	106	48	7	55

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

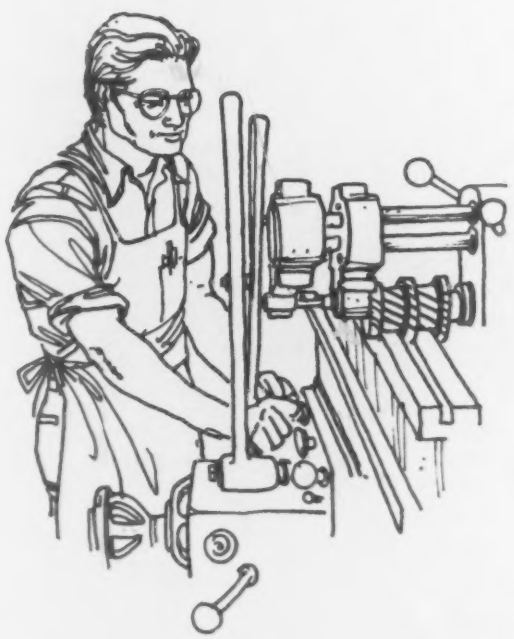
PINAL COUNTY (Contd.)

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS	1	1	0	0	0
PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING	2,968	4,336	1,370	221	1,599
FIRST LINE SUPERS.- MECH., INSTALLERS, & REPAIRERS	25	47	22	2	24
FIRST LINE SUPERS.- CONSTRUCTION & EXTRACTIVE WRKRS.	25	53	28	3	31
FIRST LINE SUPERS.- PRODUCTION & OPERATING WORKERS	181	275	94	8	102
FIRST LINE SUPERS.- TRANSP. AND MATRL. MOVING- MACH.	13	19	6	1	7
ALL OTHER FIRST LINE SUPERS.-PROD./CONST./MAINT.	2	2	0	0	0
PRECISION INSPECTORS, TESTERS, AND GRADERS	21	28	7	3	10
PRODUCTION INSPECTORS, TESTERS, GRADERS, & SORTERS	73	92	19	7	26
MACHINERY MAINTENANCE MECHANICS	54	71	17	1	18
ALL OTHER MACHINERY MAINTENANCE MECHANICS	1	1	0	0	0
REFRACTORY MATERIALS REPAIRERS, EXC. BRICK MASONS	61	138	77	4	81
MAINTENANCE REPAIRERS, GENERAL UTILITY	92	112	20	3	23
BUS AND TRUCK MECHS., AND DIESEL ENGINE SPECIALISTS	15	19	4	0	4
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	7	11	4	0	4
BRICK MASONS	26	59	33	2	35
ALL OTHER CONSTRUCTION TRADES WORKERS	44	49	5	1	6
ALL OTHER CONSTR. & EXTRACTIVE WRKRS. EXC. HELPERS	5	5	0	0	0
ALL PRECISION METAL WORKERS	30	34	4	0	4
ALL PRECISION WOODWORKERS	10	9	9	0	9
ALL PRECISION TEXTILE, APPAREL & FURNISHINGS WORKERS	3	4	1	0	1
PRECISION COMPOSITORS, TYPESETTERS, AND ARRANGERS	10	13	3	1	4
ALL OTHER PRECISION PRINTING WORKERS	27	34	7	0	7
ALL PRECISION FOOD AND TOBACCO WORKERS	6	8	2	0	2
PRECISION FOUNDRY MOLD AND CORE MAKERS	6	17	9	0	9
ALL OTHER PRECISION WORKERS	10	12	2	1	3
WELDING MACHINE SETTERS AND SET-UP OPERATORS	7	9	2	0	2
WELDING MACHINE OPERATORS AND TENDERS	30	33	3	3	6
NONELECTROLYTIC PLATING OPER./TEND., METAL & PLAST.	14	32	18	1	19
FURNACE OPERATORS AND TENDERS	8	17	9	0	9
ALL OTHER METAL AND PLASTIC MACHINE SET./OPER.	24	31	7	0	7
ALL OTHER METAL AND PLASTIC MACHINE OPER./TEND.	98	123	25	8	33
ALL PRINTING PRESS SETTERS AND SET-UP OPERATORS	17	22	5	0	5
ALL OTHER PRINTING REL. SETTERS & SET-UP OPERATORS	21	27	6	0	6
TYPESETTING AND COMPOSING MACHINE OPER./TEND.	31	39	8	8	16
PRINTING PRESS MACHINE OPERATORS AND TENDERS	41	51	10	4	14
BINDERY MACHINE OPERATORS	34	43	9	3	12
PHOTOGRAPHIC PROCESSING MACHINE OPERATORS & TENDERS	7	9	2	0	2
PAPER GOODS MACHINE SETTERS/OPERATORS	57	76	19	6	25
COATING, PAINTING, AND SPRAYING MACH. OP./TEND.	17	18	1	0	1
CRUSHING AND MIXING MACHINE OPERATORS AND TENDERS	173	321	148	20	168
EXTRUDING, FORMING, AND PRESSING MACH. OPER./TEND.	6	8	2	0	2
PACKAGING AND FILLING MACHINE OPERATORS AND TENDERS	30	39	9	2	11

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

PINAL COUNTY (Contd.)

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
ALL OTHER MACHINE SETTERS AND SET-UP OPERATORS	1	2	1	0	1
ALL OTHER MACHINE OPERATORS AND TENDERS	420	606	186	45	231
ALL PRECISION ASSEMBLERS	3	4	1	0	1
WELDERS AND CUTTERS	29	35	6	0	6
PORTABLE MACHINE CUTTERS	6	10	4	0	4
METAL POURERS AND CASTERS, BASIC SHAPES	18	42	24	1	25
ALL OTHER HAND WORKERS	258	310	52	23	75
PLANT AND SYSTEM OCCUPATIONS	8	11	3	0	3
ALL OTHER PLANT AND SYSTEM OPERATORS	15	19	4	1	5
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	214	280	66	10	76
TRUCK DRIVERS, LIGHT- INCL. DELIVERY & ROUTE WRKRS.	46	59	13	1	14
ALL OTHER MOTOR VEHICLE OPERATORS	3	4	1	0	1
CRANE AND TOWER OPERATORS	61	138	77	6	83
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	60	107	47	2	49
CONVEYOR OPERATORS AND TENDERS	11	15	4	0	4
OPERATING ENGINEERS	28	37	9	2	11
ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	13	18	5	1	6
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	121	154	33	10	43
ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	289	475	186	27	213
TOTAL OF ALL OCCUPATIONS	3,794	5,473	1,679	288	1,967



ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

SANTA CRUZ COUNTY

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	**84**	**106**	**22**	**3**	**25**
FINANCIAL MANAGERS	11	13	2	1	3
PURCHASING MANAGERS	8	10	2	0	2
ENGINEERING, MATHEMATICAL & NATURAL SCIENCES MGRS.	10	13	3	1	4
INDUSTRIAL PRODUCTION MANAGERS	24	29	5	1	6
GENERAL MANAGERS AND TOP EXECUTIVES	16	23	7	0	7
ALL OTHER MANAGERS AND ADMINISTRATORS	15	18	3	0	3
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	**93**	**117**	**24**	**3**	**27**
ACCOUNTANTS AND AUDITORS	13	17	4	1	5
PURCHASING AGENTS -EXC. WHOLESALE, RETAIL, AND FARM	18	23	5	1	6
ALL OTHER MANAGEMENT SUPPORT WORKERS	19	23	4	1	5
INDUSTRIAL ENGINEERS, EXCEPT SAFETY	5	6	1	0	1
ALL OTHER ENGINEERS	16	20	4	0	4
ALL OTHER ENGINEERING & REL. TECHS. & TECHNOLOGISTS	9	12	3	0	3
ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	13	16	3	0	3
SALES AND RELATED OCCUPATIONS	**10**	**13**	**3**	**0**	**3**
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	**148**	**190**	**42**	**11**	**53**
FIRST LINE SUPERVISORS, CLERICAL	7	9	2	0	2
SECRETARIES	30	40	10	4	14
BOOKKEEPING AND ACCOUNTING CLERKS	25	33	8	4	12
GENERAL OFFICE CLERKS	5	7	2	0	2
ALL OFFICE MACHINE OPERATORS	8	10	2	0	2
SWITCHBOARD OPERATORS	5	5	0	0	0
PRODUCTION, PLANNING, AND EXPEDITING CLERKS	14	16	2	2	4
SHIPPING, RECEIVING, AND TRAFFIC CLERKS	24	32	8	0	8
ALL OTHER MATRL. RECORD., SCHED., & DISTRIB. WORKERS	17	22	5	0	5
ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	13	16	3	1	4
SERVICE OCCUPATIONS	**15**	**18**	**3**	**0**	**3**
JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	15	18	3	0	3
PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING	**1,053**	**1,302**	**249**	**98**	**347**
FIRST LINE SUPERS.- PRODUCTION AND OPERATING WRKRS.	67	82	15	3	18
ALL OTHER FIRST LINE SUPERS.-PROD./CONST./MAINT.	6	7	1	0	1
PRECISION INSPECTORS, TESTERS, AND GRADERS	17	21	4	1	5
PRODUCTION INSPECTORS, TESTERS, GRADERS, & SORTERS	59	72	13	6	19
MACHINERY MAINTENANCE MECHANICS	18	23	5	0	5
ELECTRONICS REPAIRERS, COMMERCIAL AND INDUST. EQUIP.	8	10	2	0	2
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	6	7	1	0	1

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

SANTA CRUZ COUNTY (Contd.)

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
ALL CONSTRUCTION TRADES WORKERS	1	1	0	0	0
TOOL AND DIE MAKERS	9	12	3	0	3
ALL OTHER PRECISION METAL WORKERS	1	1	0	0	0
ALL PRECISION PRINTING WORKERS	7	9	2	0	2
ALL OTHER PRECISION WORKERS	1	2	1	0	1
DRILLING/BORING MACH.TOOL SET./OPER., METAL & PLAST.	11	13	2	1	3
GRINDING/BUFFING MACH. SET./OPER., METAL & PLAST.	5	6	1	0	1
MACHINE TOOL CUTTING OPER. AND TEND., METAL & PLAST.	51	62	11	3	14
PUNCHING MACH. SET./OPER., METAL & PLAST.	20	25	5	2	7
MACHINE FORMING OPERATORS & TENDERS, METAL & PLAST.	7	8	1	0	1
PLASTIC MOLDING AND CASTING MACHINE OP./TEND.	34	41	7	4	11
METAL MOLDING, COREMAKING, & CASTING OP./TEND.	14	17	3	1	4
ALL OTHER METAL AND PLASTIC MACHINE SET./OPER.	26	32	6	1	7
ALL OTHER METAL AND PLASTIC MACHINE OPER./TEND.	32	40	8	3	11
ALL PRINTING RELATED SETTERS/OPERATORS	3	4	1	0	1
ALL PRINTING, BINDING, AND REL. MACH. OPER./TEND.	1	1	0	0	0
ALL OTHER MACHINE SETTERS AND SET-UP OPERATORS	4	4	0	0	0
ALL OTHER MACHINE OPERATORS AND TENDERS	60	79	19	5	24
ELECTROMECHANICAL EQUIP. ASSEMBLERS- PRECISION	116	145	29	25	54
ELECTRICAL AND ELECTRONIC ASSEMBLERS	12	15	3	1	4
WELDERS AND CUTTERS	8	10	2	0	2
ASSEMB.& FABRICATORS- EXC. MACH., ELEC., & PRECISION	380	465	85	40	125
ALL OTHER HAND WORKERS	25	33	8	1	9
ALL MOTOR VEHICLE OPERATORS	4	5	1	0	1
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	7	8	1	0	1
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	13	15	2	1	3
HAND PACKERS AND PACKAGERS	7	10	3	0	3
ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	13	17	4	0	4
TOTAL OF ALL OCCUPATIONS	**1,403**	**1,746**	**343**	**115**	**458**

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

YAVAPAI COUNTY

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	**127**	**164**	**37**	**1**	**38**
FINANCIAL MANAGERS	6	9	3	0	3
MARKETING, ADVERTISING, & PUBLIC RELATIONS MGRS.	9	11	2	0	2
ENGINEERING, MATHEMATICAL & NATURAL SCIENCES MGRS.	7	11	4	0	4
INDUSTRIAL PRODUCTION MANAGERS	26	35	9	0	9
GENERAL MANAGERS AND TOP EXECUTIVES	62	79	17	1	18
ALL OTHER MANAGERS AND ADMINISTRATORS	17	19	2	0	2
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	**151**	**197**	**46**	**6**	**52**
ALL FINANCIAL SPECIALISTS	2	2	0	0	0
PURCHASING AGENTS -EXC. WHOLESALE, RETAIL, AND FARM	9	11	2	0	2
ELECTRICAL AND ELECTRONIC ENGINEERS	18	23	5	0	5
INDUSTRIAL ENGINEERS, EXCEPT SAFETY	5	6	1	0	1
ALL OTHER ENGINEERS	14	18	4	0	4
DRAFTERS	7	9	2	0	2
ALL OTHER ENGINEERING TECHNICIANS	31	41	10	1	11
ALL PHYSICAL SCIENTISTS	4	6	2	0	2
ALL PHYSICAL & LIFE SCI. TECHNICIANS & TECHNOLOGISTS	6	8	2	0	2
WRITERS AND EDITORS	14	19	5	1	6
ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	41	54	13	4	17
SALES AND RELATED OCCUPATIONS	**64**	**82**	**18**	**4**	**22**
ALL OTHER SALES REPS. AND SALES PERSONS, SERVICE	14	19	5	1	6
SALES REPS., SCIEN. & REL. PROD. & SVCS.-EXC. RET.	5	6	1	0	1
SALES REPS., EXCEPT SCIENTIFIC, RELATED, AND RETAIL	37	45	8	2	10
ALL OTHER SALES AND RELATED WORKERS	8	12	4	1	5
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	**214**	**269**	**55**	**12**	**67**
FIRST LINE SUPERVISORS, CLERICAL	11	13	2	0	2
SECRETARIES	33	40	7	4	11
ORDER CLERKS- MATERIALS, MERCHANDISE, AND SERVICE	8	8	0	0	0
BOOKKEEPING AND ACCOUNTING CLERKS	28	37	9	2	11
BILLING, COST AND RATE CLERKS	7	9	2	0	2
GENERAL OFFICE CLERKS	28	33	5	1	6
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	9	11	2	0	2
DATA ENTRY KEYERS, EXCEPT COMPOSING	6	7	1	0	1
ALL OTHER OFFICE MACHINE OPERATORS	10	14	4	2	6
SWITCHBOARD OPERATORS	5	6	1	0	1
PRODUCTION, PLANNING, AND EXPEDITING CLERKS	19	26	7	2	9
WEIGHERS, MEASURERS, CHECKERS, AND SAMPLERS	5	7	2	0	2
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	14	17	3	0	3
SHIPPING, RECEIVING, AND TRAFFIC CLERKS	9	10	1	0	1
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	1	1	0	0	0
ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	21	30	9	1	10

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

YAVAPAI COUNTY (Contd.)

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
SERVICE OCCUPATIONS	8	12	4	0	4
JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	8	12	4	0	4
AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS	17	16	-1	0	-1
ALL OTHER TIMBER CUTTING AND RELATED LOGGING WORKERS	17	16	-1	0	-1
PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING	1,606	2,255	449	116	565
FIRST LINE SUPERS.- MECH., INSTALLERS, & REPAIRERS	7	9	2	0	2
FIRST LINE SUPERS.- PRODUCTION AND OPERATING WRKRS.	96	117	21	3	24
ALL OTHER FIRST LINE SUPERS.- PROD./CONSTR./MAINT.	8	12	4	1	5
PRECISION INSPECTORS, TESTERS, AND GRADERS	21	25	4	2	6
PRODUCTION INSPECTORS, TESTERS, GRADERS, & SORTERS	32	45	13	2	15
ALL OTHER MACHINERY MAINTENANCE MECHANICS	18	23	5	0	5
MAINTENANCE REPAIRERS, GENERAL UTILITY	57	76	19	3	22
PRECISION INSTRUMENT REPAIRERS	7	9	2	0	2
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	25	32	7	0	7
ALL OTHER CONSTRUCTION TRADES WORKERS	56	73	17	2	19
ALL EXTRACTIVE WORKERS, EXCEPT HELPERS	3	4	1	0	1
MACHINISTS	47	59	12	2	14
TOOL GRINDERS, FILERS, AND SHARPENERS	21	29	8	0	8
ALL OTHER PRECISION METAL WORKERS	14	16	2	1	3
ALL PRECISION WOODWORKERS	61	55	-6	2	-4
ALL PRECISION PRINTING WORKERS	14	16	2	1	3
ALL OTHER PRECISION WORKERS	22	35	13	0	13
ALL OTHER METAL AND PLASTIC MACHINE SET./OPER.	62	91	29	4	33
ALL OTHER METAL AND PLASTIC MACHINE OPER./TEND.	289	344	55	25	80
ALL PRINTING PRESS SETTERS AND SET-UP OPERATORS	5	7	2	0	2
ALL OTHER PRINTING RELATED SETTERS/OPERATORS	12	15	3	0	3
TYPESETTING AND COMPOSING MACHINE OPER./TEND.	7	8	1	0	1
ALL PRINTING, BINDING, AND REL. MACH. OPER./TEND.	16	21	5	0	5
FURNACE, KILN, OVEN, DRIER, OR KETTLE OP./TEND.	12	17	5	1	6
CRUSHING AND MIXING MACHINE OPERATORS AND TENDERS	35	46	11	2	13
PACKAGING AND FILLING MACHINE OPERATORS AND TENDERS	19	25	6	0	6
ALL OTHER MACHINE SETTERS AND SET-UP OPERATORS	3	3	0	0	0
ALL OTHER MACHINE OPERATORS AND TENDERS	124	185	61	15	76
ALL PRECISION ASSEMBLERS	38	47	9	7	16
ALL OTHER HAND WORKERS	366	428	62	31	93
ALL OTHER PLANT AND SYSTEM OPERATORS	13	18	5	0	5
TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	71	84	13	2	15
TRUCK DRIVERS, LIGHT- INCL. DELIVERY & ROUTE WRKRS.	15	20	5	0	5

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

YAVAPAI COUNTY (Contd.)

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
ALL OTHER MOTOR VEHICLE OPERATORS	1	2	1	0	1
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	32	40	8	0	8
ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	16	19	3	0	3
MACHINE FEEDERS AND OFFBEARERS	60	67	7	5	12
ALL FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	25	38	13	1	14
HAND PACKERS AND PACKAGERS	25	31	6	2	8
ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	51	64	13	2	15
TOTAL OF ALL OCCUPATIONS	**2,387**	**2,995**	**608**	**139**	**747**

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

YUMA COUNTY

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	**74**	**100**	**26**	**1**	**27**
INDUSTRIAL PRODUCTION MANAGERS	19	26	7	0	7
GENERAL MANAGERS AND TOP EXECUTIVES	45	59	14	1	15
ALL OTHER MANAGERS AND ADMINISTRATORS	10	15	5	0	5
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	**52**	**70**	**18**	**6**	**24**
ALL FINANCIAL SPECIALISTS	3	4	1	0	1
ALL MANAGEMENT SUPPORT WORKERS	7	9	2	0	2
ALL ENGINEERS	1	1	0	0	0
ALL OTHER AND INSTRUCTORS	1	1	0	0	0
ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	40	55	15	6	21
SALES AND RELATED OCCUPATIONS	**24**	**33**	**9**	**1**	**10**
SALES REPS., EXCEPT SCIENTIFIC, RELATED, AND RETAIL	9	13	4	0	4
ALL OTHER SALES AND RELATED WORKERS	15	20	5	1	6
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	**197**	**262**	**65**	**24**	**89**
SECRETARIES	26	34	8	3	11
BOOKKEEPING AND ACCOUNTING CLERKS	16	22	6	1	7
GENERAL OFFICE CLERKS	21	26	5	2	7
ALL OFFICE MACHINE OPERATORS	41	53	12	9	21
ALL COMMUNICATIONS EQUIPMENT OPERATORS	3	4	1	0	1
PRODUCTION, PLANNING, AND EXPEDITING CLERKS	15	25	10	3	13
SHIPPING, RECEIVING, AND TRAFFIC CLERKS	15	21	6	0	6
ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	6	7	1	0	1
ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	54	70	16	6	22
SERVICE OCCUPATIONS	10	15	5	0	5
JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	10	15	5	0	5
PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING	**1,363**	**1,856**	**493**	**109**	**602**
FIRST LINE SUPERS.- MECH., INSTALLERS, AND REPAIRERS	6	8	2	0	2
FIRST LINE SUPERS.- CONSTRUCTION & EXTRACTIVE WRKRS.	5	7	2	0	2
FIRST LINE SUPERS.- PRODUCTION AND OPERATING WRKRS.	33	44	11	0	11
FIRST LINE SUPERS.- TRANSP. AND MATRL. MOVING- MACH.	9	12	3	1	4
PRODUCTION INSPECTORS, TESTERS, GRADERS, & SORTERS	16	22	6	1	7
MACHINERY MAINTENANCE MECHANICS, TEXTILE MACHINES	39	51	12	2	14
ALL OTHER MACHINERY MAINTENANCE MECHANICS	9	12	3	0	3
MAINTENANCE REPAIRERS, GENERAL UTILITY	12	16	4	0	4
BUS AND TRUCK MECHS., AND DIESEL ENGINE SPECIALISTS	5	7	2	0	2
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	24	30	6	1	7
ALL CONSTRUCTION TRADES WORKERS	32	42	10	1	11
ALL PRECISION METAL WORKERS	20	26	6	1	7
ALL PRECISION WOODWORKERS	39	36	-3	2	-1
ALL PRECISION TEXTILE, APPAREL, & FURNISHINGS WRKRS.	27	35	8	3	11

ESTIMATED EMPLOYMENT AND JOB OPENINGS
MANUFACTURING

YUMA COUNTY (Contd.)

	PROJECTED 1988 EMPLOYMENT	PROJECTED 1990 EMPLOYMENT	OPENINGS DUE TO GROWTH 1988-1990	OPENINGS DUE TO SEPARATIONS 1988-1990	TOTAL JOB OPENINGS 1988-1990
ALL PRECISION PRINTING WORKERS	12	17	5	1	6
ALL PRECISION FOOD AND TOBACCO WORKERS	67	88	21	6	27
ALL METAL AND PLASTIC MACHINE SET./OPER.	7	9	2	0	2
ALL METAL AND PLASTIC MACHINE OPER./TEND.	19	25	6	0	6
ALL PRINTING PRESS SETTERS & SET-UP OPERATORS	18	25	7	0	7
ALL OTHER PRINTING RELATED SETTERS/OPERATORS	9	13	4	0	4
ALL PRINTING, BINDING, & REL. MACH. OPER./TEND.	8	11	3	1	4
TEXTILE MACHINE SETTERS/OPERATORS	8	10	2	0	2
TEXTILE MACHINE OPERATORS AND TENDERS	113	149	36	15	51
CRUSHING AND MIXING MACHINE OPERATORS AND TENDERS	17	22	5	1	6
EXTRUDING, FORMING, AND PRESSING MACH. OPER./TEND.	38	50	12	4	16
PACKAGING AND FILLING MACHINE OPERATORS AND TENDERS	36	46	10	2	12
ALL OTHER MACHINE SETTERS AND SET-UP OPERATORS	11	14	3	1	4
ALL OTHER MACHINE OPERATORS AND TENDERS	398	600	202	54	256
WELDERS AND CUTTERS	19	23	4	1	5
ALL OTHER HAND WORKERS	80	107	27	3	30
ALL MOTOR VEHICLE OPERATORS	80	107	27	3	30
INDUSTRIAL TRUCK AND TRACTOR OPERATORS	12	16	4	0	4
OPERATING ENGINEERS	42	56	14	3	17
ALL OTHER MATERIAL MOVING EQUIPMENT-OPERATORS	15	20	5	0	5
MACHINE FEEDERS AND OFFBEARERS	14	17	3	0	3
FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	13	14	1	0	1
HAND PACKERS AND PACKAGERS	19	27	8	0	8
ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	32	42	10	2	12
TOTAL OF ALL OCCUPATIONS	**1,720**	**2,336**	**616**	**141**	**757**

Confidential data for certain occupations have been added to "All" or "All Other" categories or collapsed into major occupational classes as follows:

STATEWIDE

Biological Scientists
Biological, Agricultural, and Food Technicians and Technologists, Except Health
Statisticians
Librarians, Professional
Opticians, Dispensing and Measuring
Library Assistants and Bookmobile Drivers
Interviewing Clerks, Except Personnel and Social Welfare
Duplicating Machine Operators
Mail Machine Operators, Preparation and Handling
Choke Setters
Forest and Conservation Workers
Log Graders and Scalers
Machinery Maintenance Mechanics, Water or Power Generation Plant
Small Engine Specialists
Data Processing Equipment Repairers
Electronic Home Entertainment Equipment Repairers
Electric Motor, Transformer, and Related Repairers
Precision Instrument Makers
Jewelers and Silversmiths
Precision Etchers and Engravers, Hand or Machine
Boilermakers
Pattern Markers, Wood
Shoe and Leather Workers and Repairers- Precision
Pressers, Delicate Fabrics
Slaughterers and Butchers
Precision Optical Goods Workers
Extruding and Drawing Machine Setters and Set-Up Operators, Metal and Plastic
Rolling Machine Setters and Set-Up Operators, Metal and Plastic
Forging Machine Setters and Set-Up Operators, Metal and Plastic
Metal Fabricators, Structural Metal Products
Metal Molding, Coremaking, and Casting Machine Operators and Tenders
Foundry Mold Assembly and Shakeout Workers
Nonelectrolytic Plating and Coating Machine Setters and Set-Up Operators, Metal and Plastic
Heaters, Metal and Plastic
Head Sawyers
Photoengraving and Lithographing Machine Operators and Tenders
Textile Bleaching and Dyeing Machine Operators and Tenders
Boiler Operators and Tenders, Low Pressure
Painters, Transportation Equipment
Fitters, Structural Metal-Precision
Coil Winders, Tapers, and Finishers
Pressers, Hand
Sewers, Hand
Cannery Workers
Meat, Poultry, and Fish Cutters and Trimmers-Hand
Engraving and Printing Workers, Hand
Chemical Plant and System Operators
Petroleum Refinery and Control Panel Operators
Rail Yard Engineers, Dinkey Operators, and Hostlers
Aircraft Pilots and Flight Engineers
Tank Car and Truck Loaders
Hoist and Winch Operators
Pump Operators

APACHE COUNTY

Payroll and Timekeeping Clerks
Production, Planning, and Expediting Clerks
Shipping, Receiving, and Traffic Clerks
First Line Supervisors-Agricultural, Forestry, Fishing, and Related Occupations
Fallers and Buckers
Choke Setters
Log Handling Equipment Operators
Production Inspectors, Testers, Graders, Sorters, Samplers, and Weighers
Machinery Maintenance Mechanics
Machinery Maintenance Workers
Maintenance Repairers, General Utility
Machine Tool Cutting Operators and Tenders, Metal and Plastic
Head Sawyers
Sawing Machine Operators and Tenders
Woodworking Machine Operators and Tenders, Except Sawing
Furnace, Kiln, Oven, Drier, or Kettle Operators and Tenders
Industrial Truck and Tractor Operators
Freight, Stock, and Material Movers, Hand
Machine Feeders and Offbearers

COCHISE COUNTY

Photographers
First Line Supervisors and Manager/Supervisors-Sales and Related Occupations

Sales Agents, Advertising
Sales Representatives, Except Scientific and Related Products or Services and Retail
Salespersons, Retail
Advertising Clerks
Production Inspectors, Testers, Graders, Sorters, Samplers, and Weighers
Millwrights
Precision Compositors, Typesetters, and Arrangers
Precision Lithography and Photoengraving Workers
Offset Lithographic Press Setters and Set-Up Operators
Printing Press Machine Operators and Tenders
Sewing Machine Operators, Garment
Furnace, Kiln, Oven, Drier, or Kettle Operators and Tenders
Separating, Filtering, Clarifying, Precipitating, and Still Machine Operators and Tenders
Pressers, Hand
Cannery Workers
Driver/Sales Workers
Conveyor Operators and Tenders
Hand Packers and Packagers

COCONINO COUNTY

Chemical Engineers
Industrial Engineers, Except Safety
Mechanical Engineering Technicians and Technologists
Reporters and Correspondents
Artists and Related Workers
Designers, Except Interior Designers
Sales Agents, Advertising
Order Clerks- Materials, Merchandise, and Service
Payroll and Timekeeping Clerks
Data Keyers, Composing
Choke Setters
Log Graders and Scalers
First Line Supervisors and Manager/Supervisors- Transportation and Material Moving Machine and Vehicle
Small Engine Specialists
Coin and Vending Machine Servicers and Repairers
Carpenters
Concrete and Terrazzo Finishers
Cabinetmakers and Bench Carpenters
Food Batchmakers
Precision Detail Design Decorators and Painters
Machine Tool Cutting Operators and Tenders, Metal and Plastic
Plastic Molding and Casting Machine Operators and Tenders
Head Sawyers
Sawing Machine Operators and Tenders
Woodworking Machine Operators and Tenders, Except Sawing
Sewing Machine Operators, Garment
Paper Goods Machine Setters and Set-Up Operators
Furnace, Kiln, Oven, Drier, or Kettle Operators and Tenders
Boiler Operators and Tenders, Low Pressure
Crushing, Grinding, Mixing, and Blending Machine Operators and Tenders
Extruding, Forming, Pressing, and Compacting Machine Setters and Set-Up Operators
Extruding, Forming, Pressing, and Compacting Machine Operators and Tenders
Assemblers and Fabricators- Except Machine, Electrical, Electronic, and Precision
Petroleum Refinery and Control Panel Operators
Tank Car and Truck Loaders
Conveyer Operators and Tenders
Machine Feeders and Offbearers
Hand Packers and Packagers

GILA COUNTY

Reporters and Correspondents
Mail Machine Operators, Preparation and Handling
Typesetting and Composing Machine Operators and Tenders
Pump Operators

GRAHAM AND GREENLEE COUNTIES

Writers and Editors
Machinery Maintenance Workers
Electricians
Job Printers
Bakers, Manufacturing
Separating, Filtering, Clarifying, Precipitating, and Still Machine Operators and Tenders
Welders and Cutters
Machine Feeders and Offbearers

LA PAZ COUNTY

Food Batchmakers
Sewing Machine Operators, Non-Garment
Crushing, Grinding, Mixing, and Blending Machine Operators and Tenders

MARICOPA COUNTY

Life Scientists
Biological Scientists
Biological, Agricultural, and Food Technicians and Technologists, Except Health
Statisticians

Opticians, Dispensing and Measuring
Reporters and Correspondents
Photographers
Sales Agents, Advertising
News and Street Vendors, Telephone Solicitors, Door-To-Door Sales Workers, and Other Related
Adjustment Clerks
Library Assistants and Bookmobile Drivers
Advertising Clerks
Duplicating Machine Operators
Mail Machine Operators, Preparation and Handling
Log Handling Equipment Operators
Logging Tractor Operators
Automotive Mechanics
Data Processing Equipment Repairers
Precision Instrument Makers
Jewelers and Silversmiths
Precision Etchers and Engravers, Hand or Machine
Pattern Makers, Wood
Shoe and Leather Workers and Repairers- Precision
Precision Compositors, Typesetters, and Arrangers
Slaughterers and Butchers
Precision Foundry Mold and Core Makers
Precision Patternmakers, Model Makers, Layout Workers, and Cutters
Precision Optical Goods Workers
Extruding and Drawing Machine Setters and Set-Up Operators, Metal and Plastic
Rolling Machine Setters and Set-Up Operators, Metal and Plastic
Forging Machine Setters and Set-Up Operators, Metal and Plastic
Metal Fabricators, Structural Metal Products
Metal Molding, Coremaking, and Casting Machine Operators and Tenders
Foundry Mold Assembly and Shakeout Workers
Nonelectrolytic Plating and Coating Machine Setters and Set-Up Operators, Metal and Plastic
Nonelectrolytic Plating and Coating Machine Operators and Tenders, Metal and Plastic
Heaters, Metal and Plastic
Letterpress Setters and Set-Up Operators
Photoengraving and Lithographing Machine Operators and Tenders
Textile Machine Setters and Set-Up Operators
Textile Machine Operators and Tenders- Winding, Twisting, Knitting, Weaving, & Cutting
Fitters, Structural Metal- Precision
Coil Winders, Tapers, and Finishers
Sewers, Hand
Cannery Workers
Meat, Poultry, and Fish Cutters and Trimmers, Hand
Chemical Plant and System Operators
Aircraft Pilots and Flight Engineers
Grader, Dozer, and Scraper Operators
Hoist and Winch Operators

MOHAVE COUNTY

Writers and Editors
Sales Representatives, Except Scientific and Related Products or Services and Retail
Proofreaders and Copy Markers
Mail Machine Operators, Preparation and Handling
Mail Clerks, Except Mail Machine Operators and Postal Service
Riggers
Machinists
Sheet Metal Workers
Cabinetmakers and Bench Carpenters
Job Printers
Precision Detail Design Decorators and Painters
Milling and Planing Machine Setters and Set-Up Operators, Metal and Plastic
Machine Tool Cutting Operators and Tenders, Metal and Plastic
Numerical Control Machine Tool Operators and Tenders, Metal and Plastic
Combination Machine Tool Operators and Tenders, Metal and Plastic
Welding Machine Operators and Tenders
Plastic Molding and Casting Machine Setters and Set-Up Operators
Plastic Molding and Casting Machine Operators and Tenders
Woodworking Machine Setters and Set-Up Operators, Except Sawing
Offset Lithographic Press Setters and Set-Up Operators
Letterpress Setters and Set-Up Operators
Screen Printing Machine Setters and Set-Up Operators
Typesetting and Composing Machine Operators and Tenders
Extruding, Forming, Pressing, and Compacting Machine Setters and Set-Up Operators
Electrical and Electronic Equipment Assemblers- Precision
Electrical & Electronic Assemblers
Glaziers, Manufacturing
Welders and Cutters

NAVAHO COUNTY

Industrial Production Managers
Accountants and Auditors
Chemical Technicians and Technologists, Except Health
First Line Supervisors and Manager/Supervisors- Sales and Related Occupations
Salespersons, Retail
Typists
Data Entry Keyers, Except Composing
Stock Clerks- Stockroom, Warehouse or Storage Yard

Shipping, Receiving, and Traffic Clerks
Janitors and Cleaners, Except Maids and Housekeeping Cleaners
First Line Supervisors- Agricultural, Forestry, Fishing, and Related Occupations
Forest and Conservation Workers
First Line Supervisors and Manager/Supervisors- Mechanics, Installers, and Repairers
First Line Supervisors and Manager/Supervisors- Transportation and Material Moving Machine & Vehicle
Precision Inspectors, Testers, and Graders
Machinery Maintenance Mechanics, Water or Power Generation Plant
Machinery Maintenance Workers
Maintenance Repairers, General Utility
Precision Instrument Repairers
Coin and Vending Machine Servicers and Repairers
Electricians
Plumbers, Pipefitters, and Steamfitters
Machinists
Wood Machinists
Furnace, Kiln, Oven, Drier, or Kettle Operators and Tenders
Boiler Operators and Tenders, Low Pressure
Chemical Equipment Controllers and Operators
Chemical Equipment Tenders
Crushing, Grinding, Mixing, and Blending Machine Operators and Tenders
Packaging and Filling Machine Operators and Tenders
Electrical and Electronic Assemblers
Welders and Cutters
Petroleum Refinery and Control Panel Operators
Truck Drivers, Light- Include Delivery and Route Workers
Helpers- Mechanics and Repairers
Hand Packers and Packagers

PIMA COUNTY

Administrative Services Managers
Aeronautical and Astronautical Engineers
Metallurgists and Metallurgical, Ceramic, and Materials Engineers
Computer Programmers
Computer Programmer Aides
Library Assistants and Bookmobile Drivers
Proofreaders and Copy Markers
Mail Machine Operators, Preparation and Handling
Computer Operators, Except Peripheral Equipment
Data Keyers, Composing
Food and Beverage Preparation and Service Occupations
Aircraft Mechanics
Aircraft Engine Specialists
Data Processing Equipment Repairers
Electric Motor, Transformer, and Related Repairers
Electronics Repairers, Commercial and Industrial Equipment
Concrete and Terrazzo Finishers
Precision Instrument Makers
Tool Grinders, Filers, Sharpeners, and Other Precision Grinders
Jewelers and Silversmiths
Precision Hand Workers, Jewelry and Related Products
Pattern and Model Makers, Wood
Wood Machinists
Bookbinders
Precision Molders, Shapers, Casters, and Carvers, Except Jewelry and Foundry
Precision Photographic Process Workers
Precision Optical Goods Workers
Extruding and Drawing Machine Setters and Set-up Operators, Metal and Plastic
Forging Machine Setters and Set-Up Operators, Metal and Plastic
Numerical Control Machine Tool Operators and Tenders, Metal and Plastic
Combination Machine Tool Operators and Tenders, Metal and Plastic
Welding Machine Setters and Set-Up Operators
Welding Machine Operators and Tenders
Metal Fabricators, Structural Metal Products
Plastic Molding and Casting Machine Setters and Set-Up Operators
Metal Molding, Coremaking, and Casting Machine Operators and Tenders
Foundry Mold Assembly and Shakeout Workers
Nonelectrolytic Plating and Coating Machine Setters and Set-Up Operators, Metal and Plastic
Furnace Operators and Tenders
Sawing Machine Operators and Tenders
Sewing Machine Operators, Non-Garment
Paper Goods Machine Setters and Set-Up Operators
Cooking Machine Operators and Tenders, Food and Tobacco
Furnace, Kiln, Oven, Drier, or Kettle Operators and Tenders
Cutting and Slicing Machine Operators and Tenders
Painters, Transportation Equipment
Extruding, Forming, Pressing, and Compacting Machine Setters and Set-Up Operators
Aircraft Structure, Surfaces, Rigging, and Systems Assemblers- Precision
Machine Builders and Other Precision Machine Assemblers
Coil Winders, Tapers, and Finishers
Glaziers, Manufacturing
Meat, Poultry, and Fish Cutters and Trimmers- Hand
Grinding & Polishing Workers, Hand
Aircraft Pilots and Flight Engineers

PINAL COUNTY

Industrial Engineers, Except Safety
Industrial Engineering Technicians and Technologists
Writers and Editors
Reporters and Correspondents
First Line Supervisors and Manager/Supervisors- Sales and Related Occupations
Sales Agents, Advertising
Carpenters
Electricians
Tool and Die Makers
Machinists
Cabinetmakers and Bench Carpenters
Precision Lithography and Photoengraving Workers
Precision Photographic Process Workers
Drilling and Boring Machine Tool Setters and Set-Up Operators, Metal and Plastic
Machine Tool Cutting Operators and Tenders, Metal and Plastic
Press and Press Brake Machine Setters and Set-Up Operators, Metal and Plastic
Machine Forming Operators and Tenders, Metal and Plastic
Plastic Molding and Casting Machine Operators and Tenders
Sawing Machine Operators and Tenders
Offset Lithographic Press Setters and Set-Up Operators
Photoengraving and Lithographing Photographers
Bindery Machine Setters and Set-Up Operators
Sewing Machine Operators, Garment
Roasting, Baking, and Drying Machine Operators and Tenders, Food and Tobacco
Cutting and Slicing Machine Setters and Set-Up Operators
Cutting and Slicing Machine Operators and Tenders
Separating, Filtering, Clarifying, Precipitating, and Still Machine Operators and Tenders
Coil Winders, Tapers, and Finishers
Grinding and Polishing Workers, Hand
Assemblers and Fabricators- Except Machine, Electrical, Electronic, and Precision
Chemical Plant and System Operators
Grader, Dozer, and Scraper Operators
Helpers- Construction Trades and Extractive Workers
Hand Packers and Packagers

SANTA CRUZ COUNTY

Electrical and Electronic Engineers
Mechanical Engineers
Electrical and Electronic Engineering Technicians and Technologists
Weighers, Measurers, Checkers, and Samplers- Recordkeeping
Stock Clerks- Stockroom, Warehouse or Storage Yard
Job Printers
Lathe and Turning Machine Tool Setters and Set-Up Operators, Metal and Plastic
Sewing Machine Operators, Non-Garment
Crushing, Grinding, Mixing, and Blending Machine Operators and Tenders
Extruding, Forming, Pressing, and Compacting Machine Operators and Tenders
Packaging and Filling Machine Operators and Tenders
Machine Feeders and Offbearers

YAVAPAI COUNTY

Mechanical Engineers
Electrical and Electronic Engineering Technicians and Technologists
Chemical Technicians and Technologists, Except Health
Programmers- Numerical, Tool, and Process Control
Reporters and Correspondents
Artists and Related Workers
Sales Agents, Advertising
News and Street Vendors, Telephone Solicitors, Door-To-Door Sales Workers, and Other Related
Advertising Clerks
Logging Tractor Operators
First Line Supervisors and Manager/Supervisors- Helpers, Laborers, & Material Movers, Hand
Machinery Maintenance Mechanics
Machinery Maintenance Workers
Mobile Heavy Equipment Mechanics, Except Engines
Electricians
Concrete and Terrazzo Finishers
Tool and Die Makers
Wood Machinists
Cabinetmakers and Bench Carpenters
Furniture Finishers
Precision Compositors, Typesetters, and Arrangers
Precision Detail Design Decorators and Painters
Machine Tool Cutting Operators and Tenders, Metal and Plastic
Extruding and Drawing Machine Setters and Set-Up Operators, Metal and Plastic
Machine Forming Operators and Tenders, Metal and Plastic
Numerical Control Machine Tool Operators and Tenders, Metal and Plastic
Plastic Molding and Casting Machine Setters and Set-Up Operators
Plastic Molding and Casting Machine Operators and Tenders
Metal Molding, Coremaking, and Casting Machine Setters and Set-Up Operators
Metal Molding, Coremaking, and Casting Machine Operators and Tenders

Offset Lithographic Press Setters and Set-Up Operators
Specialty Materials Printing Machine setters and Set-Up Operators
Typesetting and Composing Machine Operators and Tenders
Printing Press Machine Operators and Tenders
Sewing Machine Operators, Garment
Pressing Machine Operators and Tenders- Textile, Garment, and Related Materials
Cutting and Slicing Machine Operators and Tenders
Extruding, Forming, Pressing, and Compacting Machine Operators and Tenders
Electrical and Electronic Equipment Assemblers- Precision
Electrical and Electronic Assemblers
Coil Winders, Tapers, and Finishers
Glaziers, Manufacturing
Welders and Cutters
Cutters and Trimmers, Hand
Molders and Casters, Hand
Grinding and Polishing Workers, Hand
Assemblers and Fabricators- Except Machine, Electrical, Electronic, and Precision
Petroleum Refinery and Control Panel Operators
Grader, Dozer, and Scraper Operators
Conveyer Operators and Tenders
Freight, Stock, and Material Movers, Hand

YUMA COUNTY

Writers and Editors
Reporters and Correspondents
Salespersons, Retail
Advertising Clerks
Typists, Word Processing Equipment
Interviewing Clerks, Except Personnel and Social Welfare
Billing, Posting, and Calculating Machine Operators
Mail Machine Operators, Preparation and Handling
Data Entry Keyers, Except Composing
Machinery Maintenance Mechanics
Machinery Maintenance Workers
Concrete and Terrazzo Finishers
Machinists
Wood Machinists
Cabinetmakers and Bench Carpenters
Shoe and Leather Workers and Repairers- Precision
Precision Compositors, Typesetters, and Arrangers
Slaughterers and Butchers
Food Batchmakers
Grinding, Lapping, and Buffing Machine Tool Setters and Set-Up Operators, Metal and Plastic
Machine Tool Cutting Operators and Tenders, Metal and Plastic
Metal Holding, Coremaking, and Casting Machine Operators and Tenders
Furnace Operators and Tenders
Offset Lithographic Press Setters and Set-Up Operators
Photoengraving and Lithographing Photographers
Typesetting and Composing Machine Operators and Tenders
Sewing Machine Operators, Garment
Sewing Machine Operators, Non-Garment
Machine Assemblers
Sewers, Hand
Cutters and Trimmers, Hand
Assemblers and Fabricators- Except Machine, Electrical, Electronic, and Precision
Truck Drivers, Heavy or Tractor Trailer
Truck Drivers, Light- Include Delivery and Route Workers
Crane and Tower Operators

METHODOLOGY

Introduction

Occupational estimates for the manufacturing industry were developed from a 1986 survey of this industry's employers in Arizona. This survey is one of a group of surveys conducted at three-year intervals under the Occupational Employment Statistics (OES) Program. This program is a cooperative federal-state undertaking carried out under guidelines established by the Bureau of Labor Statistics of the U.S. Department of Labor. Manufacturing and Hospitals are surveyed in the first year; one half the nonmanufacturing industries in the second year; and the remainder of nonmanufacturing industries in the third year.

Sample Selection and Response Rate

Employers asked to participate in the survey were selected, using standardized sampling techniques, from a master employer file of firms doing business in Arizona. Data were collected from employing establishments primarily by mail with telephone followups and personal visits when a firm's response was critical to the survey. Establishments received a special questionnaire, designed by the Bureau of Labor Statistics, adapted to the occupational structure of their industry subgroup.

Stratified by industry and size class, a sample of establishments employing 4-99 employees and all those having 100 or more employees were surveyed. The entire sample was composed of 2,018 units with a usable response rate of 92 percent. Firms responding represented 93 percent of the industry's employment.

Employment Projections

Projecting occupational employment and demand was accomplished in two basic stages. First, total manufacturing employment was estimated for the target years. These forecasts were computed using an econometric model driven by forecast values for variables such as national unemployment, interest rates, and industrial production. Staffing pattern ratios, as determined by the OES survey, were then applied to the industry employment projections, representing the second stage of the forecasting methodology.

Employment data reflect full- and part-time workers, workers on paid leave, and workers on unpaid short-term absences, e.g., sick leave, temporary layoff, and jury duty. Also included are salaried officers, executives, and staff of incorporated firms. Workers performing tasks related to two or more occupations are classified acccording to the highest level of skill performed.

Job Openings

"Total Job Openings" represents the sum of openings resulting from expansion and replacement during the projection period. Expansion, or growth, is the numerical difference in employment for a given period. Replacement represents job openings that transpire due to separations from the labor force, i.e., death, retirement, and pregnancy, and is based on occupational separation rates from the 1980 Census. The "Total Job Openings" column does not include labor turnover, i.e., openings created when a worker changes jobs, leaving the job to be filled by someone else. These vacancies are often the largest source of job openings.

Limitations of the Data

The projection method does not account for cyclical, seasonal, and such external factors as sudden discontinuations or initiations of major government programs.

Employment forecasts for the nonmetropolitan counties are based on growth rates developed for the "balance of state" (Arizona less Maricopa and Pima counties) rather than for individual counties.

The OES survey includes wage and salary employment only and not self-employed. Therefore, within certain occupations, the estimated employment may not be totally representative of that occupation.

The accuracy of the survey data is affected by two types of errors: 1) non-sampling error, and 2) sampling error. Non-sampling error results from factors external to the survey such as biases, faulty questionnaire design, ineffective processing techniques, inaccurate data, and improperly collected data. Every effort, however, is made to minimize controllable errors. Sampling error is an internal error and could be avoided only if the entire universe was surveyed instead of a selected sample. The projection technique does not possess the degree of accuracy that may be implied by small employment and demand figures.

To guard against possible disclosure of confidential employer information, occupations were added to the appropriate "All Other" (or residual) category if: less than three firms reported a single occupation; one firm reported more than 50 percent of an occupational estimate; two firms combined reported more than 75 percent of an occupational estimate. In some cases, releases were obtained from employers to waive the confidentiality criteria. A summary list of the collapsed occupations follows the occupational data tables. Data for occupations with employment of less than five were also added to the appropriate residual category, but are not listed in the summary.

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— Moving People Toward Self-Sufficiency

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ARIZONA
OCCUPATIONAL EMPLOYMENT

IN

MINING
CONSTRUCTION
FINANCE, INSURANCE, REAL ESTATE
SERVICES

1990

ARIZONA DEPARTMENT OF ECONOMIC SECURITY
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INTRODUCTION

The material herein was developed by the Occupational Employment Statistics (OES) Program which surveys industries in Arizona to determine their occupational composition. A federal/state cooperative with the U.S. Department of Labor, the program is designed to determine employment in over 700 occupations in Arizona. Based on surveys, which require the cooperation of the State's business community, current employment in the various occupations is estimated.

This report presents the results of the 1987 survey of four major industry groups: mining; construction; finance, insurance, and real estate; and services. Occupational employment data which meet publication criteria are presented for 2-digit Standard Industrial Classification (SIC) codes.[1] For total Arizona wage and salary employment (across all industries except agriculture) the reader is referred to the "Occupational Employment Forecasts" released annually by the Department of Economic Security's Research Administration. The "Forecasts" also provide projected employment and demand data.

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[1]Office of Management and Budget, "Standard Industrial Classification Manual," 1972 Edition.

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METHODOLOGY

In its conduct of the Occupational Employment Statistics (OES) program, the Arizona Department of Economic Security surveys a sample of nonfarm establishments for the purpose of developing estimates of total wage and salary employment by occupation and industry. Employment estimates are currently developed for approximately 750 occupations.

Sample members are selected from all establishments reporting to the State's Unemployment Insurance Program. Establishments are stratified by industry and size and, in accordance with Bureau of Labor Statistics guidelines, a sample is selected for each industry and size class. In addition, all firms employing 250 or more are included in the sample.

Using a questionnaire designed by the Bureau of Labor Statistics, employment data are requested for the pay period which includes the 12th day of either April, May, or June. Although considered a mail survey, respondents are encouraged to telephone a toll-free number to provide requested information and firms employing more than 100 generally receive a personal visit. Extensive follow-up of nonrespondents is undertaken to achieve high response rates that have, in recent years, averaged over 94 percent.

In the 1987 survey of mining; construction; finance, insurance, and real estate; and services, 5,207 firms in a sample of 5,689 provided the requested information. This 92 percent unit response rate represented 94 percent of the employment sampled.

TECHNICAL NOTES

The employment data reflect workers earning a wage or salary and excludes self-employed, unpaid family, and agricultural workers. Wage and salary employment represents more than 90 percent of Arizona's workers; however, the exclusion of workers not earning a wage or salary impacts certain occupations more than others. For example, employment of those earning only a commission (such as real estate sales agents) is not represented.

Employment data reflect workers in both full- and part-time jobs and does not refer to the number of employed persons (who sometimes hold more than one job).

All sample surveys are subject to both sampling and nonsampling errors. A sampling error is the difference between the estimated data derived from a sample and the data which would result from a survey of the universe. Unless the universe is surveyed, sampling error will always result.

In this report, the relative errors shown for each detailed occupation are at a 68 percent confidence level; in other words, the chances are two out of three that the true population from a census would fall within the percent error shown. For example, if the relative error for 100 general office clerks is 15 percent, the chances are two out of three that the true employment is between 85 and 115.

Data for occupations with a relative error of greater than 50 percent are added to the appropriate residual or "All Other" category.

Survey results are also subject to nonsampling errors which can result from faulty questionnaire design, improperly collected data, and other non-measurable factors. Every effort is made to minimize such errors.

To eliminate the possible disclosure of confidential employer information in the following tables, occupational data have been added to the appropriate "All Other" or residual category if: less than three firms reported a single occupation; one firm reported more than 50 percent of the occupational estimate; two firms combined reported more than 75 percent of the occupational estimate. Data for occupations with employment of less than ten are also included in the appropriate residual category.

Because of relatively little employment in the industry and the potential for divulging confidential employer information, data are not provided for the coal mining (SIC 12), and the oil and gas extraction (SIC 13) industries.

OCCUPATIONAL EMPLOYMENT

IN

MINING

ARIZONA ESTIMATED EMPLOYMENT
Metal Mining
(SIC 10)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
10000	MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	285	3.0	NA
13002	FINANCIAL MANAGERS	24	0.3	20.28
13005	PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	20	0.2	0.00
13014	ADMINISTRATIVE SERVICES MANAGERS	13	0.1	8.32
13017	ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MGRS.	47	0.5	20.20
15021	MINING, QUARRYING, & OIL/GAS WELL DRILLING MGRS.	63	0.7	2.70
19005	GENERAL MANAGERS AND TOP EXECUTIVES	63	0.7	12.36
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	55	0.6	NA
20000	PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	982	10.5	NA
21114	ACCOUNTANTS AND AUDITORS	77	0.8	1.01
21199	ALL OTHER FINANCIAL SPECIALISTS	10	0.1	NA
21308	PURCHASING AGENTS -EXC. WHOLESALE, RETAIL, AND FARM	35	0.4	0.00
21511	PERSONNEL, TRAINING, & LABOR RELATIONS SPECIALISTS	46	0.5	2.34
21911	COMPLIANCE & ENFORCEMENT INSPECTORS, EXC. CONST.	17	0.2	0.58
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	12	0.1	NA
22105	METALLURGISTS AND MATERIALS ENGINEERS	59	0.6	1.47
22108	MINING ENGINEERS, INCLUDING MINE SAFETY	85	0.9	6.72
22135	MECHANICAL ENGINEERS	40	0.4	0.35
22199	ALL OTHER ENGINEERS	39	0.4	NA
22311	SURVEYING AND MAPPING SCIENTISTS	14	0.1	1.74
22514	DRAFTERS	25	0.3	20.50
22521	SURVEYING & MAPPING TECHNICIANS AND TECHNOLOGISTS	31	0.3	30.65
22599	ALL OTHER ENGINEERING AND RELATED TECHS.	70	0.7	NA
24105	CHEMISTS, EXCEPT BIOCHEMISTS	46	0.5	3.87
24111	GEOLOGISTS, GEOPHYSICISTS, AND OCEANOGRAPHERS	156	1.7	24.13
24199	ALL OTHER PHYSICAL SCIENTISTS	2	0.0	NA
24505	CHEMICAL TECHNICIANS & TECHNOLOGISTS, EXC. HEALTH	67	0.7	0.14
24599	ALL OTHER PHYSICAL & LIFE SCIENCE TECHS.	31	0.3	NA
25102	SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	36	0.4	1.24
25105	COMPUTER PROGRAMMERS	29	0.3	1.42
32000	HEALTH PRACTITIONERS, TECHNICIANS, AND RELATED	32	0.3	0.00
39999	ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	23	0.2	NA
40000	SALES AND RELATED OCCUPATIONS	23	0.2	NA
50000	CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	604	6.4	NA
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	42	0.4	5.26
55100	SECRETARIES	108	1.1	3.29
55308	TYPISTS	16	0.2	0.00
55314	PERSONNEL CLERKS, EXCEPT PAYROLL	22	0.2	1.28
55338	BOOKKEEPING AND ACCOUNTING CLERKS	102	1.1	1.44
55341	PAYROLL AND TIMEKEEPING CLERKS	16	0.2	1.24
55347	GENERAL OFFICE CLERKS	86	0.9	6.57
56011	COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	11	0.1	1.81
56017	DATA ENTRY KEYERS, EXCEPT COMPOSING	24	0.3	20.94

ARIZONA ESTIMATED EMPLOYMENT
Metal Mining
(SIC 10)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
56099	ALL OTHER OFFICE MACHINE OPERATORS	5	0.1	NA
57199	ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	7	0.1	NA
58008	PRODUCTION, PLANNING, AND EXPEDITING CLERKS	10	0.1	2.99
58017	WEIGHERS, MEASURERS, CHECKERS, AND SAMPLERS	18	0.2	3.29
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	103	1.1	0.19
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	10	0.1	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	24	0.3	NA
60000	SERVICE OCCUPATIONS	90	1.0	NA
61000	FIRST LINE SUPERVISORS AND MGR./SUPERS.- SERVICE	11	0.1	1.28
63047	GUARDS AND WATCH GUARDS	43	0.5	2.43
65099	ALL OTHER FOOD SERVICE WORKERS	4	0.0	NA
67005	JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	32	0.3	0.62
80000	PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING	7,410	78.9	NA
81002	FIRST LINE SUPERS.- MECHANICS/INSTALLERS/REPAIRERS	276	2.9	0.26
81005	FIRST LINE SUPERS.- CONSTRUCTION & EXTRACTIVE WRKRS.	314	3.3	1.60
81011	FIRST LINE SUPERS.- TRANSP. AND MATRL. MOVING- MACH.	146	1.6	0.56
81017	FIRST LINE SUPERS.- HELPERS/LABORERS/MOVERS, HAND	45	0.5	3.18
81099	ALL OTHER FIRST LINE SUPERS.-PROD./CONST./MAINT.	73	0.8	NA
83099	ALL OTHER INSPECTORS, TESTERS, AND REL. OCCUPATIONS	39	0.4	NA
85117	UNDERGROUND MINE MACHINERY MECHANICS	199	2.1	1.12
85119	ALL OTHER MACHINERY MAINTENANCE MECHANICS	181	1.9	NA
85128	MACHINERY MAINTENANCE WORKERS	82	0.9	0.77
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	130	1.4	0.31
85302	AUTOMOTIVE MECHANICS	54	0.6	0.97
85311	BUS AND TRUCK MECHS. AND DIESEL ENGINE SPECIALISTS	233	2.5	0.48
85314	MOBILE HEAVY EQUIPMENT MECHANICS	215	2.3	0.90
85317	RAIL CAR REPAIRERS	61	0.6	0.32
85935	RIGGERS	28	0.3	1.33
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	183	1.9	NA
87102	CARPENTERS	32	0.3	0.00
87202	ELECTRICIANS	395	4.2	0.27
87402	PAINTERS AND PAPERHANGERS, CONSTRUCTION AND MAINT.	17	0.2	0.00
87502	PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	175	1.9	0.26
87714	RAIL-TRACK LAYING AND MAINTENANCE EQUIP. OPERATORS	90	1.0	0.00
87899	ALL OTHER CONSTRUCTION TRADES WORKERS	7	0.1	5.71
87902	EARTH DRILLERS	148	1.6	20.32
87905	BLASTERS AND EXPLOSIVES WORKERS	303	3.2	0.00
87949	ALL OTHER MINING MACHINE OPERATORS	240	2.6	NA
87989	ALL OTHER EXTRACTIVE WORKERS, EXC. HELPERS	136	1.4	NA
87999	ALL OTHER CONSTR. & EXTRACTIVE WRKRS. EXC. HELPERS	68	0.7	NA
89108	MACHINISTS	87	0.9	0.00
89999	ALL OTHER PRECISION WORKERS	191	2.0	NA
92923	FURNACE, KILN, OVEN, DRIER, OR KETTLE OPERS./TENDERS	76	0.8	0.00
92962	SEPARATING, FILTER., AND PRECIP., MACH. OPERS. AND TENDERS	112	1.2	0.00

ARIZONA ESTIMATED EMPLOYMENT
Metal Mining
(SIC 10)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
92965	CRUSHING AND MIXING MACHINE OPERATORS AND TENDERS	202	2.2	1.09
92997	ALL OTHER MACHINE SETTERS AND SET-UP OPERATORS	2	0.0	NA
92998	ALL OTHER MACHINE OPERATORS AND TENDERS	23	0.2	NA
93914	WELDERS AND CUTTERS	261	0.4	0.37
93999	ALL OTHER HAND WORKERS	6	0.1	NA
95032	STATIONARY ENGINEERS	94	1.0	1.12
95099	ALL OTHER PLANT AND SYSTEM OPERATORS	68	0.7	NA
97102	TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	456	4.9	0.78
97199	ALL OTHER MOTOR VEHICLE OPERATORS	9	0.1	NA
97308	RAIL YARD ENGINEERS, DINKEY OPERATORS, & HOSTLERS	21	0.2	0.95
97317	RAILROAD BRAKE, SIGNAL, & SWITCH OPERATORS	21	0.2	0.95
97399	ALL OTHER RAIL VEHICLE OPERATIVES AND CONTROLLERS	30	0.3	NA
97899	ALL OTHER TRANSPORTATION AND RELATED WORKERS	74	0.8	NA
97923	EXCAVATING AND LOADING MACHINE OPERATORS	120	1.3	1.95
97938	GRADER, DOZER, AND SCRAPER OPERATORS	144	1.5	0.92
97941	HOIST AND WINCH OPERATORS	29	0.3	0.00
97944	CRANE AND TOWER OPERATORS	103	1.1	0.37
97953	PUMP OPERATORS	10	0.1	0.00
97956	OPERATING ENGINEERS	66	0.7	3.47
97989	ALL OTHER TRANSP. AND MATRL. MOVING EQUIP. OPERATORS	43	0.5	NA
97999	ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	419	4.5	NA
98102	MECHANIC AND REPAIRER HELPERS	127	1.4	0.00
98300	CONSTRUCTION TRADES AND EXTRACTIVE HELPERS	192	2.0	10.30
98799	ALL OTHER FREIGHT, STOCK, AND MATL. MOVERS, HAND	7	0.1	NA
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	547	5.8	NA
	TOTAL OF ALL OCCUPATIONS	9,394	100.0	

OCCUPATIONAL EMPLOYMENT

IN

CONSTRUCTION

ARIZONA ESTIMATED EMPLOYMENT
Building Construction
(SIC 15)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
10000	MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	3,406	16.7	NA
13002	FINANCIAL MANAGERS	311	1.5	13.18
13005	PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	11	0.1	32.29
13011	MARKETING, ADVERTISING, AND PUBLIC RELATIONS MGRS.	103	0.5	31.04
13014	ADMINISTRATIVE SERVICES MANAGERS	67	0.3	18.98
13017	ENGINEERING, MATH., AND NATURAL SCIENCES MGRS.	13	0.1	45.79
15017	CONSTRUCTION MANAGERS	1,484	7.1	9.21
19005	GENERAL MANAGERS AND TOP EXECUTIVES	1,353	6.5	13.68
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	144	0.7	NA
20000	PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	1,158	5.5	NA
21114	ACCOUNTANTS AND AUDITORS	101	0.5	43.26
21199	ALL OTHER FINANCIAL SPECIALISTS	7	0.0	NA
21308	PURCHASING AGENTS -EXC. WHOLESALE, RETAIL, AND FARM	16	0.1	24.36
21902	COST ESTIMATORS	458	2.2	18.79
21908	CONSTRUCTION AND BUILDING INSPECTORS	33	0.2	17.94
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	136	0.7	NA
22121	CIVIL ENGINEERS, INCLUDING TRAFFIC	134	0.6	15.59
22199	ALL OTHER ENGINEERS	32	0.2	NA
22302	ARCHITECTS, EXC. LANDSCAPE AND MARINE	15	0.1	32.26
22514	DRAFTERS	89	0.4	42.74
22599	ALL OTHER ENGINEERING AND RELATED TECHS.	21	0.1	NA
24399	ALL OTHER LIFE SCIENTISTS	2	0.0	NA
25102	SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	15	0.1	24.60
25105	COMPUTER PROGRAMMERS	14	0.1	28.22
34041	INTERIOR DESIGNERS	28	0.1	23.90
39999	ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	57	0.3	NA
40000	SALES AND RELATED OCCUPATIONS	926	4.4	NA
41002	FIRST LINE SUPERVISORS AND MGR./SUPERVISORS, SALES	55	0.3	20.05
43008	SALES AGENTS, REAL ESTATE	427	2.0	18.89
49008	SALES REPS., EXCEPT SCIENTIFIC, RELATED, AND RETAIL	338	1.6	30.12
49999	ALL OTHER SALES AND RELATED WORKERS	106	0.5	NA
50000	CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	3,004	14.4	NA
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	172	0.8	18.61
55100	SECRETARIES, EXCEPT LEGAL	854	4.1	12.11
55305	RECEPTIONISTS AND INFORMATION CLERKS	73	0.3	13.25
55321	FILE CLERKS	10	0.0	20.78
55326	PROCUREMENT CLERKS	16	0.1	26.62
55338	BOOKKEEPING AND ACCOUNTING CLERKS	660	3.2	11.00
55341	PAYROLL AND TIMEKEEPING CLERKS	64	0.3	26.03
55347	GENERAL OFFICE CLERKS	836	4.0	12.05
56011	COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	15	0.1	26.33
56017	DATA ENTRY KEYERS, EXCEPT COMPOSING	26	0.1	14.06
56099	ALL OTHER OFFICE MACHINE OPERATORS	8	0.0	NA

ARIZONA ESTIMATED EMPLOYMENT
Building Construction
(SIC 15)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
57102	SWITCHBOARD OPERATORS	33	0.2	15.31
57311	MESSENGERS	41	0.2	37.77
58008	PRODUCTION, PLANNING, AND EXPEDITING CLERKS	28	0.1	32.25
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	14	0.1	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	154	0.7	NA
60000	**SERVICE OCCUPATIONS**	**386**	**1.8**	**NA**
61000	FIRST LINE SUPERVISORS AND MGR./SUPERS.- SERVICE	11	0.1	34.40
63047	GUARDS AND WATCH GUARDS	94	0.4	47.56
65099	ALL OTHER FOOD SERVICE WORKERS	79	0.4	NA
67005	JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	147	0.7	46.98
67099	ALL OTHER CLEANING/BLDG. SERVICE, EXC. PRIV. HOUSE	38	0.2	NA
69999	ALL OTHER SERVICE WORKERS	17	0.1	NA
70000	**AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS**	**340**	**1.6**	**NA**
79014	GARDENERS AND GROUNDSKEEPERS, EXC. FARM	340	1.6	35.56
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**11,592**	**55.5**	**NA**
81002	FIRST LINE MGRS./SUPERS.-MECHS./INSTALLERS/REPAIRERS	34	0.2	35.03
81005	FIRST LINE SUPERS.- CONSTRUCTION & EXTRACTIVE WRKRS.	1,344	6.4	12.43
81011	FIRST LINE SUPERS.- TRANSP. AND MATRL. MOVING- MACH.	27	0.1	48.13
81017	FIRST LINE SUPERS.- HELPERS/LABORERS/MOVERS, HAND	67	0.3	34.61
81099	ALL OTHER FIRST LINE SUPERS.- PROD.,CONST.,MAINT.	6	0.0	NA
83000	INSPECTORS AND RELATED OCCUPATIONS	18	0.1	35.60
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	274	1.3	17.20
85314	MOBILE HEAVY EQUIPMENT MECHANICS	15	0.1	39.46
85799	ALL OTHER ELEC. & ELECTR. EQUIP. MECH./INSTALL./REP.	4	0.0	NA
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	93	0.4	NA
87102	CARPENTERS	4,259	20.4	10.45
87108	DRYWALL INSTALLERS	104	0.5	43.47
87202	ELECTRICIANS	141	0.7	25.18
87302	BRICK MASONS	317	1.5	31.89
87311	CONCRETE AND TERRAZZO FINISHERS	503	2.4	24.07
87317	PLASTER AND STUCCO MASON	38	0.2	46.71
87402	PAINTERS AND PAPERHANGERS, CONSTRUCTION AND MAINT.	285	1.4	27.36
87502	PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	191	0.9	41.13
87808	ROOFERS	64	0.3	27.52
87899	ALL OTHER CONSTRUCTION TRADES WORKERS	257	1.2	NA
89311	CABINETMAKERS AND BENCH CARPENTERS	31	0.1	49.36
89999	ALL OTHER PRECISION WORKERS	19	0.1	NA
93999	ALL OTHER HAND WORKERS	112	0.5	NA
97102	TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	74	0.4	27.01
97199	ALL OTHER MOTOR VEHICLE OPERATORS	36	0.2	NA
97899	ALL OTHER TRANSPORTATION AND RELATED WORKERS	5	0.0	NA
97956	OPERATING ENGINEERS	270	1.3	24.68
97999	ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	23	0.1	NA

ARIZONA ESTIMATED EMPLOYMENT
Building Construction
(SIC 15)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
98311	HELPERS, BRICK MASONS	150	0.7	41.65
98312	HELPERS, CARPENTERS	992	4.7	14.58
98313	HELPERS, ELECTRICIANS	14	0.1	37.53
98315	HELPERS, PLUMBERS AND RELATED	23	0.1	38.23
98319	HELPERS, ALL OTHER CONSTRUCTION TRADES	115	0.6	37.34
98700	FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	17	0.1	16.34
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	1,670	8.0	NA
	TOTAL OF ALL OCCUPATIONS	**20,892**	**100.00**	

ARIZONA ESTIMATED EMPLOYMENT
Heavy Construction
(SIC 16)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
10000	MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	879	6.0	NA
13002	FINANCIAL MANAGERS	65	0.4	36.80
13014	ADMINISTRATIVE SERVICES MANAGERS	13	0.1	42.40
15017	CONSTRUCTION MANAGERS	391	2.7	26.25
19005	GENERAL MANAGERS AND TOP EXECUTIVES	367	2.5	30.82
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	43	0.3	NA
20000	PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	671	4.6	NA
21199	ALL OTHER FINANCIAL SPECIALISTS	49	0.3	NA
21902	COST ESTIMATORS	243	1.7	29.77
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	52	0.4	NA
22121	CIVIL ENGINEERS, INCLUDING TRAFFIC	78	0.5	30.29
22132	SAFETY ENGINEERS, EXCEPT MINING	10	0.1	35.22
22199	ALL OTHER ENGINEERS	173	1.2	NA
22311	SURVEYING AND MAPPING SCIENTISTS	18	0.1	25.67
22599	ALL OTHER ENGINEERING AND RELATED TECHS.	35	0.2	NA
24199	ALL OTHER PHYSICAL SCIENTISTS	1	0.0	NA
32199	ALL OTHER HEALTH DIAGNOSING AND TREATING PRACTITIONERS	6	0.0	NA
32999	ALL OTHER HEALTH PROFESSIONALS, PARAPROF., & TECHS.	6	0.0	NA
40000	SALES AND RELATED OCCUPATIONS	15	0.1	NA
50000	CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	878	6.0	NA
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	65	0.4	49.25
55100	SECRETARIES	124	0.9	40.93
55305	RECEPTIONISTS AND INFORMATION CLERKS	25	0.2	43.19
55338	BOOKKEEPING AND ACCOUNTING CLERKS	194	1.3	19.66
55341	PAYROLL AND TIMEKEEPING CLERKS	61	0.4	31.69
55347	GENERAL OFFICE CLERKS	219	1.5	20.99
56099	ALL OTHER OFFICE MACHINE OPERATORS	26	0.2	NA
57199	ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	12	0.1	NA
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	97	0.6	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	55	0.4	NA
60000	SERVICE OCCUPATIONS	167	1.1	NA
63047	GUARDS AND WATCH GUARDS	67	0.5	42.07
63099	ALL OTHER PROTECTIVE SERVICE WORKERS	21	0.1	NA
67005	JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	78	0.5	6.20
67099	ALL OTHER CLEANING/BLDG. SERVICE, EXC. PRIV. HOUSE	1	0.0	NA
70000	AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS	9	0.1	NA

ARIZONA ESTIMATED EMPLOYMENT
Heavy Construction
(SIC 16)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
80000	PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING	11,955	82.0	NA
81002	FIRST LINE MGRS./SUPERS.-MECHS./INSTALLERS/REPAIRERS	41	0.3	20.71
81005	FIRST LINE SUPERS.- CONSTRUCTION & EXTRACTIVE WRKRS.	801	5.5	13.82
81011	FIRST LINE SUPERS.- TRANSP. AND MATRL. MOVING- MACH.	24	0.2	11.05
81099	ALL OTHER FIRST LINE SUPERS.-PROD./CONST./MAINT.	171	1.2	NA
83099	ALL OTHER INSPECTORS, TESTERS, AND REL. OCCUPATIONS	5	0.0	NA
85123	MILLWRIGHTS	128	0.9	18.92
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	31	0.2	40.49
85314	MOBILE HEAVY EQUIPMENT MECHANICS	367	2.5	28.85
85799	ALL OTHER ELEC. & ELECTR. EQUIP. MECH./INSTALL./REP.	422	2.9	NA
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	246	1.7	NA
87102	CARPENTERS	528	3.6	6.85
87202	ELECTRICIANS	274	1.9	28.29
87302	BRICK MASONS	21	0.1	38.70
87311	CONCRETE AND TERRAZZO FINISHERS	358	2.5	12.17
87314	REINFORCING METAL WORKERS	63	0.4	14.25
87402	PAINTERS AND PAPERHANGERS, CONSTRUCTION AND MAINT.	48	0.3	2.08
87502	PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	227	1.6	22.02
87702	AIR HAMMER OPERATORS	23	0.2	29.52
87708	PAVING, SURFACING, AND TAMPING EQUIPMENT OPERATORS	193	1.3	25.30
87802	INSULATION WORKERS	122	0.8	23.43
87814	STRUCTURAL METAL WORKERS	87	0.6	28.23
87899	ALL OTHER CONSTRUCTION TRADES WORKERS	452	3.1	NA
87989	ALL OTHER EXTRACTIVE WORKERS, EXCEPT HELPERS	14	0.1	NA
89135	BOILERMAKERS	217	1.5	10.69
89199	ALL OTHER PRECISION METAL WORKERS	18	0.1	NA
92998	ALL OTHER MACHINE OPERATORS AND TENDERS	2	0.0	NA
93197	ALL OTHER PRECISION ASSEMBLERS	3	0.0	NA
93914	WELDERS AND CUTTERS	256	1.8	36.30
93999	ALL OTHER HAND WORKERS	1	0.0	NA
95099	ALL OTHER PLANT AND SYSTEM OPERATORS	16	0.1	NA
97102	TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	882	6.1	37.92
97105	TRUCK DRIVERS, LIGHT- INCL. DELIVERY & ROUTE WRKRS.	81	0.6	40.12
97899	ALL OTHER TRANSPORTATION AND RELATED WORKERS	3	0.0	NA
97923	EXCAVATING AND LOADING MACHINE OPERATORS	176	1.2	46.92
97938	GRADER, DOZER, AND SCRAPER OPERATORS	948	6.5	30.15
97956	OPERATING ENGINEERS	1,464	10.0	14.60
97989	ALL OTHER TRANSP. AND MATRL. MOVING EQUIP. OPERATORS	34	0.2	NA
97999	ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	110	0.8	NA
98102	MECHANIC AND REPAIRER HELPERS	61	0.4	28.92
98312	HELPERS -CARPENTERS & RELATED	94	0.6	28.99
98319	HELPERS -ALL OTHER CONSTRUCTION TRADES	222	1.5	NA
98799	ALL OTHER FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	14	0.1	NA
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	2,707	18.6	NA
	TOTAL OF ALL OCCUPATIONS	14,574	100.00	

ARIZONA ESTIMATED EMPLOYMENT
Special Trades Construction
(SIC 17)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
10000	MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	4,276	6.4	NA
13002	FINANCIAL MANAGERS	406	0.6	21.62
13014	ADMINISTRATIVE SERVICES MANAGERS	14	0.0	46.32
15017	CONSTRUCTION MANAGERS	1,247	1.9	10.35
19005	GENERAL MANAGERS AND TOP EXECUTIVES	2,442	3.6	6.57
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	167	0.2	NA
20000	PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	1,685	2.5	NA
21114	ACCOUNTANTS AND AUDITORS	117	0.2	32.02
21199	ALL OTHER FINANCIAL SPECIALISTS	3	0.0	NA
21308	PURCHASING AGENTS & BUYERS, EXCEPT FARM	82	0.1	25.05
21902	COST ESTIMATORS	1,152	1.7	8.65
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	9	0.0	NA
22199	ALL OTHER ENGINEERS	59	0.1	NA
22514	DRAFTERS	136	0.2	21.19
22599	ALL OTHER ENGINEERING AND RELATED TECHS.	94	0.1	NA
24199	ALL OTHER PHYSICAL SCIENTISTS	2	0.0	NA
39999	ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	31	0.0	NA
40000	SALES AND RELATED OCCUPATIONS	1,041	1.6	NA
41002	FIRST LINE SUPERVISORS AND MGR./SUPERVISORS, SALES	28	0.0	40.55
49008	SALES REPS., EXCEPT SCIENTIFIC, RELATED, AND RETAIL	682	1.0	16.71
49999	ALL OTHER SALES AND RELATED WORKERS	331	0.5	NA
50000	CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	6,060	9.0	NA
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	193	0.3	23.21
55100	SECRETARIES	1,800	2.7	7.63
55305	RECEPTIONISTS AND INFORMATION CLERKS	103	0.2	26.42
55338	BOOKKEEPING AND ACCOUNTING CLERKS	1,694	2.5	8.58
55341	PAYROLL AND TIMEKEEPING CLERKS	189	0.3	15.11
55347	GENERAL OFFICE CLERKS	1,432	2.1	12.67
56017	DATA ENTRY KEYERS	12	0.0	49.34
56099	ALL OTHER OFFICE MACHINE OPERATORS	19	0.0	NA
57199	ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	34	0.1	NA
58005	DISPATCHERS, EXC. POLICE, FIRE, AND AMBULANCE	95	0.1	34.33
58008	PRODUCTION, PLANNING, AND EXPEDITING CLERKS	30	0.0	20.12
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	371	0.6	17.36
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	9	0.0	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	79	0.1	NA
60000	SERVICE OCCUPATIONS	318	0.5	NA
61099	ALL OTHER SUPERVISORS AND MGR./SUPERS., SERVICE	8	0.0	NA
63099	ALL OTHER PROTECTIVE SERVICE WORKERS	135	0.2	NA
67099	ALL OTHER CLEANING/BLDG. SERVICE, EXC. PRIV. HOUSE	152	0.2	NA
69999	ALL OTHER SERVICE WORKERS	23	0.0	NA

ARIZONA ESTIMATED EMPLOYMENT
Special Trades Construction
(SIC 17)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
70000	AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS	49	0.1	NA
80000	PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING	53,567	80.0	NA
81002	FIRST LINE MGRS./SUPERS.-MECHS./INSTALLERS/REPAIRERS	78	0.1	44.57
81005	FIRST LINE SUPERS.- CONSTRUCTION & EXTRACTIVE WRKRS.	1,833	2.7	7.30
81099	ALL OTHER FIRST LINE SUPERS. -PROD./CONST./MAINT.	318	0.5	NA
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	286	0.4	23.66
85302	AUTOMOTIVE MECHANICS	39	0.1	29.8
85311	BUS AND TRUCK MECHANICS, & DIESEL ENGINE SPECIALISTS	256	0.4	23.84
85314	MOBILE HEAVY EQUIPMENT MECHANICS	55	0.1	20.85
85799	ALL OTHER ELEC. & ELECTR. EQUIP. MECH./INSTALL./REP.	132	0.2	NA
85902	HEATING, AIR CONDITIONING, AND REFRIGERATION MECHS.	1,840	2.7	16.51
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	967	1.4	NA
87102	CARPENTERS	4,038	6.0	8.35
87105	CEILING TILE INSTALLERS	74	0.1	44.37
87108	DRYWALL INSTALLERS	2,219	3.3	11.28
87111	TAPERS	1,986	3.0	16.04
87114	LATHERS	1,064	1.6	13.42
87202	ELECTRICIANS	4,380	6.5	9.05
87302	BRICK MASONS	2,042	3.0	14.61
87308	HARD TILE SETTERS	288	0.4	45.38
87311	CONCRETE AND TERRAZZO FINISHERS	2,973	4.4	11.11
87317	PLASTERERS AND STUCCO MASONS	1,891	2.8	14.21
87402	PAINTERS AND PAPERHANGERS, CONSTRUCTION AND MAINT.	2,554	3.8	7.08
87502	PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	3,198	4.8	11.17
87602	CARPET INSTALLERS	246	0.4	49.08
87802	INSULATION WORKERS	825	1.2	28.53
87805	SHEET METAL DUCT INSTALLERS	545	0.8	33.12
87808	ROOFERS	2,544	3.8	5.78
87811	GLAZIERS	646	1.0	31.66
87814	STRUCTURAL METAL WORKERS	955	1.4	18.59
87817	FENCE ERECTORS	327	0.5	35.17
87899	ALL OTHER CONSTRUCTION TRADES WORKERS	832	1.2	NA
87902	EARTH DRILLERS	71	0.1	19.00
87989	ALL OTHER EXTRACTIVE WORKERS, EXCEPT HELPERS	2	0.0	NA
89132	SHEET METAL WORKERS	1,002	1.5	10.69
89199	ALL OTHER PRECISION METAL WORKERS	6	0.0	NA
89311	CABINETMAKERS AND BENCH CARPENTERS	104	0.2	36.43
89999	ALL OTHER PRECISION WORKERS	2	0.0	NA
92198	ALL OTHER METAL & PLASTIC MACHINE OPERATORS & TENDERS	198	0.3	NA
92997	ALL OTHER MACHINE SETTERS AND SET-UP OPERATORS	3	0.0	NA
92998	ALL OTHER MACHINE OPERATORS AND TENDERS	62	0.1	NA
93197	ALL OTHER PRECISION ASSEMBLERS	62	0.1	NA
93914	WELDERS AND CUTTERS	286	0.4	27.03
93956	ASSEMBLERS & FABRICATORS, EXC. MACH., ELEC., & PREC.	242	0.4	25.72
93999	ALL OTHER HAND WORKERS	98	0.1	NA

ARIZONA ESTIMATED EMPLOYMENT
Special Trades Construction
(SIC 17)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
97102	TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	525	0.8	23.43
97105	TRUCK DRIVERS, LIGHT- INCL. DELIVERY & ROUTE WRKRS.	432	0.6	34.35
97199	ALL OTHER MOTOR VEHICLE OPERATORS	3	0.0	NA
97923	EXCAVATING AND LOADING MACHINE OPERATORS	159	0.2	29.90
97938	GRADER, DOZER, AND SCRAPER OPERATORS	260	0.4	30.82
97947	INDUSTRIAL TRUCK AND TRACTOR OPERATORS	40	0.1	24.55
97956	OPERATING ENGINEERS	570	0.9	31.86
97999	ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	66	0.1	NA
98102	MECHANIC AND REPAIRER HELPERS	94	0.1	41.42
98311	HELPERS -BRICK AND STONE MASONS	1,396	2.1	16.1
98312	HELPERS -CARPENTERS & RELATED	586	0.9	19.14
98313	HELPERS -ELECTRICIANS	1,058	1.6	15.14
98314	HELPERS -PAINTERS, PAPERHANGERS, AND REL.	839	1.3	21.6
98315	HELPERS -PLUMBERS AND RELATED	922	1.4	20.3
98316	HELPERS -ROOFERS	444	0.7	19.52
98319	HELPERS -ALL OTHER CONSTRUCTION TRADES	1,679	2.5	15.54
98700	FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	253	0.4	27.12
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	2,672	4.0	NA
	TOTAL OF ALL OCCUPATIONS	66,996	100.00	

OCCUPATIONAL EMPLOYMENT

IN

FINANCE, INSURANCE, & REAL ESTATE

ARIZONA ESTIMATED EMPLOYMENT
Banking Institutions
(SIC 60)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
10000	MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	1,812	7.4	NA
13002	FINANCIAL MANAGERS	1,123	4.6	2.83
13005	PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	68	0.3	3.82
13011	MARKETING, ADVERTISING, AND PUBLIC RELATIONS MGRS.	99	0.4	2.14
13014	ADMINISTRATIVE SERVICES MANAGERS	117	0.5	8.79
15011	PROPERTY AND REAL ESTATE MANAGERS AND ADMINISTRATORS	40	0.2	2.66
19005	GENERAL MANAGERS AND TOP EXECUTIVES	174	0.7	8.36
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	191	0.8	NA
20000	PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	3,827	15.7	NA
21102	UNDERWRITERS	20	0.1	6.18
21105	CREDIT ANALYSTS	496	2.0	1.09
21108	LOAN OFFICERS AND COUNSELORS	719	3.0	2.41
21114	ACCOUNTANTS AND AUDITORS	234	1.0	3.45
21199	ALL OTHER FINANCIAL SPECIALISTS	376	1.5	NA
21308	PURCHASING AGENTS -EXC. WHOLESALE, RETAIL, AND FARM	26	0.1	5.01
21511	PERSONNEL, TRAINING, & LABOR RELATIONS SPECIALISTS	195	0.8	2.94
21905	MANAGEMENT ANALYSTS	11	0.0	5.74
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	317	1.3	NA
22199	ALL OTHER ENGINEERS	14	0.1	NA
22599	ALL OTHER ENGINEERING AND RELATED TECHS.	2	0.0	NA
25102	SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	834	3.4	4.42
25105	COMPUTER PROGRAMMERS	95	0.4	7.35
25108	COMPUTER PROGRAMMER AIDES	10	0.0	8.48
25302	OPERATIONS & SYSTEMS RESEARCHERS & ANALYSTS, EXC. COMPUTER	89	0.4	1.23
25315	FINANCIAL ANALYSTS, STATISTICAL	93	0.4	13.94
25319	ALL OTHER MATHEMATICAL SCIENTISTS	1	0.0	NA
27102	ECONOMISTS, INCLUDING MARKET RESEARCH ANALYSTS	41	0.2	2.20
28108	LAWYERS	12	0.0	5.83
28302	LAW CLERKS	14	0.1	6.38
28399	ALL OTHER LEGAL ASSISTANTS/TECHNS., EXC. CLERICAL	65	0.3	NA
32999	ALL OTHER HEALTH PROFESSIONALS, PARAPROF., & TECHS.	5	0.0	NA
34008	PUBLIC RELATIONS SPECIALISTS	23	0.1	5.94
39999	ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	135	0.6	NA
40000	SALES AND RELATED OCCUPATIONS	1,284	5.3	NA
41002	FIRST LINE SUPERVISORS AND MGR./SUPERVISORS, SALES	49	0.2	4.12
43011	APPRAISERS, REAL ESTATE	10	0.0	7.93
43014	SALES AGENTS, SECURITIES/COMMODITIES/FIN. SERVICES	1,137	4.7	4.23
43099	ALL OTHER SALES REPS. AND SALESPERSONS, SERVICE	14	0.1	NA
49999	ALL OTHER SALES AND RELATED WORKERS	74	0.3	NA
50000	CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	16,976	69.8	NA
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	1,478	6.1	2.53
53102	TELLERS	4,446	18.3	1.80
53105	NEW ACCOUNTS CLERKS	766	3.1	3.21

ARIZONA ESTIMATED EMPLOYMENT
Banking Institutions
(SIC 60)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
53108	TRANSIT CLERKS	319	1.3	2.85
53111	LOAN INTERVIEWERS	33	0.1	6.56
53114	CREDIT AUTHORIZERS	268	1.1	1.71
53117	CREDIT CHECKERS	176	0.7	8.13
53121	LOAN AND CREDIT CLERKS	783	3.2	2.61
53123	ADJUSTMENT CLERKS	656	2.7	1.91
53126	STATEMENT CLERKS	246	1.0	7.41
53128	BROKERAGE CLERKS	156	0.6	8.92
53308	INSURANCE EXAMINING CLERKS	29	0.1	11.79
53508	BILL AND ACCOUNT COLLECTORS	589	2.4	3.09
55100	SECRETARIES	1,461	6.0	3.15
55305	RECEPTIONISTS AND INFORMATION CLERKS	130	0.5	11.62
55308	TYPISTS	37	0.2	7.67
55311	TYPISTS, WORD PROCESSING EQUIPMENT	72	0.3	2.74
55314	PERSONNEL CLERKS, EXCEPT PAYROLL	60	0.2	2.90
55317	CORRESPONDENCE CLERKS	186	0.8	0.45
55321	FILE CLERKS	124	0.5	6.05
55328	STATISTICAL CLERKS	18	0.1	4.51
55338	BOOKKEEPING AND ACCOUNTING CLERKS	478	2.0	4.15
55341	PAYROLL AND TIMEKEEPING CLERKS	38	0.2	12.85
55344	BILLING, COST AND RATE CLERKS	25	0.1	18.02
55347	GENERAL OFFICE CLERKS	1,967	8.1	2.75
56002	BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	200	0.8	19.29
56005	DUPLICATING MACHINE OPERATORS	14	0.1	5.15
56008	MAIL MACHINE OPERATORS, PREPARATION AND HANDLING	77	0.3	1.92
56011	COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	229	0.9	5.76
56014	PERIPHERAL EDP EQUIPMENT OPERATORS	60	0.2	3.46
56017	DATA ENTRY KEYERS, EXCEPT COMPOSING	705	2.9	1.84
56099	ALL OTHER OFFICE MACHINE OPERATORS	31	0.1	NA
57102	SWITCHBOARD OPERATORS	46	0.2	5.58
57111	TELEGRAPH AND TELETYPE OPERATORS	19	0.1	13.23
57302	MAIL CLERKS, EXC. MAIL MACHINE OPERS. & POSTAL SERVICE	72	0.3	1.40
57311	MESSENGERS	120	0.5	9.58
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	52	0.2	6.06
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	78	0.3	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	732	3.0	NA
60000	**SERVICE OCCUPATIONS**	**166**	**0.7**	**NA**
61000	FIRST LINE SUPERVISORS AND MGR./SUPERS., SERVICE	12	0.0	3.00
63047	GUARDS AND WATCH GUARDS	91	0.4	3.41
65000	FOOD AND BEVERAGE SERVICE OCCUPATIONS	27	0.1	17.68
67005	JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	34	0.1	5.44
69999	ALL OTHER SERVICE WORKERS	2	0.0	NA

ARIZONA ESTIMATED EMPLOYMENT
Banking Institutions
(SIC 60)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
80000	PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING	259	1.1	NA
81000	FIRST LINE MGRS./SUPERS. -PRODUCTION/CONST./MAINT.	20	0.1	3.31
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	27	0.1	3.59
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	43	0.2	NA
87899	ALL OTHER CONSTRUCTION TRADES WORKERS	11	0.0	NA
89000	PRECISION PRODUCTION OCCUPATIONS	77	0.3	0.73
91000	MACHINE SETTERS, OPERATORS, & TENDERS	46	0.2	4.34
97989	ALL OTHER TRANSP. AND MATRL. MOVING EQUIP. OPERATORS	23	0.1	NA
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	12	0.0	NA
	TOTAL OF ALL OCCUPATIONS	24,324	100.0	

ARIZONA ESTIMATED EMPLOYMENT
Credit Institutions Other than Banks
(SIC 61)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
10000	MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	2,266	14.8	NA
13002	FINANCIAL MANAGERS	1,119	7.3	5.52
13005	PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	37	0.2	12.19
13008	PURCHASING MANAGERS	11	0.1	16.61
13011	MARKETING, ADVERTISING, AND PUBLIC RELATIONS MGRS.	131	0.9	17.30
13014	ADMINISTRATIVE SERVICES MANAGERS	69	0.5	32.78
19005	GENERAL MANAGERS AND TOP EXECUTIVES	542	3.6	9.76
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	357	2.3	NA
20000	PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	3,039	19.9	NA
21102	UNDERWRITERS	144	0.9	32.12
21105	CREDIT ANALYSTS	237	1.6	18.26
21108	LOAN OFFICERS AND COUNSELORS	1,680	11.0	12.21
21111	TAX PREPAIRERS	15	0.1	2.1
21114	ACCOUNTANTS AND AUDITORS	191	1.3	15.22
21117	BUDGET ANALYSTS	17	0.1	5.29
21199	ALL OTHER FINANCIAL SPECIALISTS	180	1.2	NA
21511	PERSONNEL, TRAINING, & LABOR RELATIONS SPECIALISTS	67	0.4	1.87
21905	MANAGEMENT ANALYSTS	30	0.2	7.75
21917	ASSESSORS	10	0.1	30.98
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	193	1.3	NA
24399	ALL OTHER LIFE SCIENTISTS	2	0.0	NA
25102	SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	77	0.5	2.06
25105	COMPUTER PROGRAMMERS	27	0.2	34.04
25302	OPERATIONS AND SYSTEMS ANALYSTS	10	0.1	40.99
25315	FINANCIAL ANALYSTS, STATISTICAL	31	0.2	5.35
27199	ALL OTHER SOCIAL SCIENTISTS	4	0.0	NA
28108	LAWYERS	30	0.2	9.40
28305	PARALEGAL PERSONNEL	14	0.1	4.84
28399	ALL OTHER LEGAL ASSISTANTS/TECHNS., EXC. CLERICAL	41	0.3	NA
39999	ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	39	0.3	NA
40000	SALES AND RELATED OCCUPATIONS	577	3.8	NA
41002	FIRST LINE SUPERVISORS, SALES	70	28.6	4.12
43005	BROKERS, REAL ESTATE	12	28.6	27.57
43011	APPRAISERS, REAL ESTATE	86	0.6	25.94
43014	SALES AGENTS, SECURITIES/COMMODITIES/FIN. SERVICES	341	2.2	24.02
43099	ALL OTHER SALES REPS. AND SALESPERSONS, SERVICE	17	0.1	NA
49023	CASHIERS	36	0.2	36.70
49999	ALL OTHER SALES AND RELATED WORKERS	15	0.1	NA
50000	CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	8,996	58.9	NA
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	697	4.6	8.66
53102	TELLERS	2,203	14.4	2.96
53105	NEW ACCOUNTS CLERKS	478	3.1	3.71
53108	TRANSIT CLERKS	32	0.2	4.72
53111	LOAN INTERVIEWERS	249	1.6	11.89
53114	CREDIT AUTHORIZERS	54	0.4	11.78

ARIZONA ESTIMATED EMPLOYMENT
Credit Institutions Other than Banks
(SIC 61)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
53117	CREDIT CHECKERS	162	1.1	31.73
53121	LOAN AND CREDIT CLERKS	1,898	12.4	9.95
53123	ADJUSTMENT CLERKS	230	1.5	16.89
53126	STATEMENT CLERKS	104	0.7	6.96
53308	INSURANCE EXAMINING CLERKS	44	0.3	6.41
53508	BILL AND ACCOUNT COLLECTORS	287	1.9	12.93
55100	SECRETARIES	563	3.7	10.79
55305	RECEPTIONISTS AND INFORMATION CLERKS	251	1.6	16.97
55308	TYPISTS	17	0.1	15.39
55311	TYPISTS, WORD PROCESSING EQUIPMENT	53	0.3	44.48
55314	PERSONNEL CLERKS, EXCEPT PAYROLL	16	0.1	25.31
55321	FILE CLERKS	46	0.3	11.33
55328	STATISTICAL CLERKS	15	0.1	20.50
55338	BOOKKEEPING AND ACCOUNTING CLERKS	457	3.0	12.16
55341	PAYROLL AND TIMEKEEPING CLERKS	21	0.1	22.01
55344	BILLING, COST AND RATE CLERKS	12	0.1	24.06
55347	GENERAL OFFICE CLERKS	474	3.1	19.15
56011	COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	82	0.5	25.95
56014	PERIPHERAL EDP EQUIPMENT OPERATORS	29	0.2	13.73
56017	DATA ENTRY KEYERS, EXCEPT COMPOSING	131	0.9	1.76
56099	ALL OTHER OFFICE MACHINE OPERATORS	43	0.3	NA
57102	SWITCHBOARD OPERATORS	74	0.5	23.28
57199	ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	7	0.0	NA
57302	MAIL CLERKS, EXC. MAIL MACHINE OPERS. & POSTAL SERVICE	39	0.3	5.79
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	20	0.1	7.14
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	18	0.1	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	190	1.2	NA
60000	**SERVICE OCCUPATIONS**	**132**	**0.9**	**NA**
61000	FIRST LINE SUPERVISORS AND MGR./SUPERS., SERVICE	17	0.1	4.07
63099	ALL OTHER PROTECTIVE SERVICE WORKERS	14	0.1	NA
65000	FOOD AND BEVERAGE SERVICE OCCUPATIONS	72	0.5	4.04
67099	ALL OTHER CLEANING AND BUILDING SERVICE WORKERS	23	0.2	NA
69999	ALL OTHER SERVICE WORKERS	6	0.0	NA
70000	**AGRICULTURAL, FORESTRY, AND RELATED OCCUPATIONS**	**5**	**0.0**	**3.99**
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**247**	**1.6**	**NA**
81000	FIRST LINE MGRS./SUPERS. -PRODUCTION/CONST./MAINT.	9	0.1	13.78
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	16	0.1	8.66
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	9	0.1	NA
89999	ALL OTHER PRECISION PRODUCTION WORKERS	4	0.0	NA
91000	MACHINE SETTERS, OPERATORS, & TENDERS	8	0.1	15.41
97199	ALL OTHER MOTOR VEHICLE OPERATORS	7	0.0	NA
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	194	1.3	NA
	TOTAL OF ALL OCCUPATIONS	**15,262**	**100.0**	

ARIZONA ESTIMATED EMPLOYMENT
Securities and Commodities Exchanges and Services
(SIC 62)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
10000	**MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS**	**354**	**9.0**	**NA**
13002	FINANCIAL MANAGERS	126	3.2	37.85
19005	GENERAL MANAGERS AND TOP EXECUTIVES	196	5.0	46.83
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	32	0.8	NA
20000	**PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL**	**180**	**4.6**	**NA**
21199	ALL OTHER FINANCIAL SPECIALISTS	69	1.8	NA
22199	ALL OTHER ENGINEERS	2	0.1	NA
25315	FINANCIAL ANALYSTS, STATISTICAL	41	1.0	48.36
25319	ALL OTHER MATHEMATICAL SCIENTISTS	2	0.1	NA
28399	ALL OTHER LEGAL ASSISTANTS/TECHNS., EXC. CLERICAL	38	1.0	NA
39999	ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	28	0.7	NA
40000	**SALES AND RELATED OCCUPATIONS**	**1,582**	**40.2**	**NA**
41002	FIRST LINE SUPERVISORS, SALES	40	1.0	17.81
43014	SALES AGENTS, SECURITIES/COMMODITIES/FIN. SERVICES	1,415	36.0	11.98
43099	ALL OTHER SALES REPS. AND SALESPERSONS, SERVICE	26	0.7	NA
49023	CASHIERS	88	2.2	21.65
49999	ALL OTHER SALES AND RELATED WORKERS	13	0.3	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**1,778**	**45.2**	**NA**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	104	2.6	18.74
53105	NEW ACCOUNTS CLERKS	30	0.8	11.54
53114	CREDIT AUTHORIZERS	45	1.1	32.32
53117	CREDIT CHECKERS	36	0.9	32.52
53121	LOAN AND CREDIT CLERKS	48	1.2	32.52
53123	ADJUSTMENT CLERKS	149	3.8	29.53
53128	BROKERAGE CLERKS	347	4.0	8.92
53508	BILL AND ACCOUNT COLLECTORS	260	6.6	32.61
55100	SECRETARIES	397	10.1	32.52
55305	RECEPTIONISTS AND INFORMATION CLERKS	62	1.6	27.22
56099	ALL OTHER OFFICE MACHINE OPERATORS	40	1.0	NA
57111	TELEGRAPH OPERATORS	61	1.6	17.14
57199	ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	16	0.4	NA
57302	MAIL CLERKS, EXC. MAIL MACHINE OPERS. & POSTAL SERVICE	18	0.5	27.91
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	45	1.1	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	120	3.1	NA
60000	**SERVICE OCCUPATIONS**	**11**	**0.3**	**NA**
63099	ALL OTHER PROTECTIVE SERVICE WORKERS	11	0.3	NA
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**28**	**0.7**	**NA**
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	28	0.7	NA
	TOTAL OF ALL OCCUPATIONS	**3,933**	**100.0**	

ARIZONA ESTIMATED EMPLOYMENT
Insurance Carriers
(SIC 63)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
10000	**MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS**	**1,191**	**8.2**	**NA**
13002	FINANCIAL MANAGERS	91	0.6	18.83
13005	PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	40	0.3	7.34
13011	MARKETING, ADVERTISING, AND PUBLIC RELATIONS MGRS.	103	0.7	8.04
13014	ADMINISTRATIVE SERVICES MANAGERS	63	0.4	22.33
13017	ENGINEERING, MATHEMATICAL AND NATURAL SCIENCES MGRS.	27	0.2	5.65
15011	PROPERTY AND REAL ESTATE MANAGERS AND ADMINISTRATORS	44	0.3	33.48
19005	GENERAL MANAGERS AND TOP EXECUTIVES	513	3.5	7.20
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	310	2.1	NA
20000	**PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL**	**3,124**	**21.6**	**NA**
21102	UNDERWRITERS	613	4.2	5.19
21114	ACCOUNTANTS AND AUDITORS	134	0.9	13.95
21199	ALL OTHER FINANCIAL SPECIALISTS	71	0.5	NA
21505	SPECIAL AGENTS, INSURANCE	65	0.4	18.04
21511	PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	49	0.3	9.71
21911	COMPLIANCE/ENFORCEMENT INSPECTORS, EXC. CONSTRUCTION	24	0.2	17.37
21921	CLAIMS EXAMINERS, PROPERTY AND CASUALTY INSURANCE	237	1.6	16.76
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	144	1.0	NA
22199	ALL OTHER ENGINEERS	19	0.1	NA
22599	ALL OTHER ENGINEERING AND RELATED TECHS.	1	0.0	NA
25105	COMPUTER PROGRAMMERS	80	0.6	27.34
25108	COMPUTER PROGRAMMER AIDES	17	0.1	3.72
25313	ACTUARIES	21	0.1	15.92
25315	FINANCIAL ANALYSTS, STATISTICAL	11	0.1	10.24
25319	ALL OTHER MATHEMATICAL SCIENTISTS	15	0.1	NA
27199	ALL OTHER SOCIAL SCIENTISTS	4	0.0	NA
28108	LAWYERS	36	0.2	11.60
28308	TITLE SEARCHERS	228	1.6	5.48
28311	TITLE EXAMINERS AND ABSTRACTORS	341	2.4	7.22
28399	ALL OTHER LEGAL ASSISTANTS/TECHNS., EXC. CLERICAL	609	4.2	NA
32199	ALL OTHER HEALTH DIAGNOSING/TREATING PRACTITIONERS	8	0.1	NA
32502	REGISTERED NURSES	33	0.2	15.61
32999	ALL OTHER HEALTH PROFESSIONALS, PARAPROF., & TECHS.	39	0.3	NA
39999	ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	325	2.2	NA
40000	**SALES AND RELATED OCCUPATIONS**	**1,546**	**10.7**	**NA**
41002	FIRST LINE SUPERVISORS AND MGR./SUPERVISORS, SALES	115	0.8	15.33
43002	SALES AGENTS AND PLACERS, INSURANCE	1,254	8.7	10.12
43099	ALL OTHER SALES REPS. AND SALESPERSONS, SERVICE	71	0.5	NA
49999	ALL OTHER SALES AND RELATED WORKERS	106	0.7	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**8,165**	**56.4**	**NA**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	621	4.3	4.81
53121	LOAN AND CREDIT CLERKS	319	2.2	9.17
53123	ADJUSTMENT CLERKS	275	1.9	12.75
53302	INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	886	6.1	10.93
53305	INSURANCE APPRAISERS, AUTO DAMAGE	24	0.2	17.55

ARIZONA ESTIMATED EMPLOYMENT
Insurance Carriers
(SIC 63)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
53308	INSURANCE EXAMINING CLERKS	46	0.3	29.56
53311	INSURANCE CLAIMS CLERKS	688	4.8	14.84
53314	INSURANCE POLICY PROCESSING CLERKS	661	4.6	7.61
53508	BILL AND ACCOUNT COLLECTORS	37	0.3	20.01
55102	LEGAL SECRETARIES	24	0.2	15.68
55199	ALL OTHER SECRETARIES	1,031	7.1	NA
55305	RECEPTIONISTS AND INFORMATION CLERKS	176	1.2	10.98
55308	TYPISTS	194	1.3	20.27
55311	TYPISTS, WORD PROCESSING EQUIPMENT	241	1.7	7.05
55314	PERSONNEL CLERKS, EXCEPT PAYROLL	37	0.3	8.67
55317	CORRESPONDENCE CLERKS	33	0.2	10.62
55321	FILE CLERKS	228	1.6	7.71
55338	BOOKKEEPING AND ACCOUNTING CLERKS	450	3.1	5.04
55341	PAYROLL AND TIMEKEEPING CLERKS	32	0.2	3.20
55344	BILLING, COST AND RATE CLERKS	220	1.5	12.26
55347	GENERAL OFFICE CLERKS	706	4.9	9.97
56008	MAIL MACHINE OPERATORS, PREPARATION AND HANDLING	12	0.1	11.90
56011	COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	77	0.5	29.19
56014	PERIPHERAL EDP EQUIPMENT OPERATORS	18	0.1	15.69
56017	DATA ENTRY KEYERS, EXCEPT COMPOSING	442	3.1	7.02
56099	ALL OTHER OFFICE MACHINE OPERATORS	10	0.1	NA
57102	SWITCHBOARD OPERATORS	63	0.4	12.90
57302	MAIL CLERKS, EXC. MAIL MACHINE OPERS. & POSTAL SERVICE	94	0.6	6.60
57311	MESSENGERS	90	0.6	5.40
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	27	0.2	5.60
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	36	0.2	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	367	2.5	NA
60000	**SERVICE OCCUPATIONS**	**59**	**0.4**	**NA**
61099	ALL OTHER SUPERVISORS AND MGR./SUPERVISORS, SERVICE	2	0.0	NA
63047	GUARDS AND WATCH GUARDS	14	0.1	10.05
63099	ALL OTHER PROTECTIVE SERVICE WORKERS	1	0.0	NA
65099	ALL OTHER FOOD SERVICE WORKERS	5	0.0	NA
67005	JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	14	0.1	19.44
69999	ALL OTHER SERVICE WORKERS	23	0.2	NA
70000	**AGRICULTURAL, FORESTRY, AND RELATED OCCUPATIONS**	**2**	**0.0**	**14.14**
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**33**	**0.2**	**NA**
81099	ALL OTHER FIRST LINE SUPERS. -PROD./CONST./MAINT.	6	10.0	NA
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	18	0.1	14.83
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	1	0.0	NA
89799	ALL OTHER PRECISION PRINTING WORKERS	6	0.0	NA
91000	MACHINE SETTERS, OPERATORS, & TENDERS	2	0.0	13.22
	TOTAL OF ALL OCCUPATIONS	**14,120**	**100.0**	

ARIZONA ESTIMATED EMPLOYMENT
Insurance Agents, Brokers, and Services
(SIC 64)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
10000	**MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS**	**1,005**	**11.8**	**NA**
13002	FINANCIAL MANAGERS	69	0.8	33.03
13011	MARKETING, ADVERTISING, AND PUBLIC RELATIONS MGRS.	28	0.3	NA
13017	ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MGRS.	10	0.1	18.24
19005	GENERAL MANAGERS AND TOP EXECUTIVES	801	9.4	12.29
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	97	1.1	NA
20000	**PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL**	**1,126**	**13.2**	**NA**
21102	UNDERWRITERS	594	6.9	23.71
21199	ALL OTHER FINANCIAL SPECIALISTS	88	1.0	NA
21505	SPECIAL AGENTS, INSURANCE	80	0.9	39.97
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	172	2.0	NA
22199	ALL OTHER ENGINEERS	2	0.0	NA
25102	SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	91	1.1	19.84
25319	ALL OTHER MATHEMATICAL SCIENTISTS	20	0.2	NA
27199	ALL OTHER SOCIAL SCIENTISTS	9	0.1	NA
28399	ALL OTHER LEGAL ASSISTANTS/TECHNS., EXC. CLERICAL	48	0.6	NA
39999	ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	22	0.3	NA
40000	**SALES AND RELATED OCCUPATIONS**	**1,668**	**19.5**	**NA**
41002	FIRST LINE SUPERVISORS, AND MGR./SUPERVISORS, SALES	109	1.3	41.17
43002	SALES AGENTS AND PLACERS, INSURANCE	1,245	14.5	10.12
43099	ALL OTHER SALES REPS. AND SALESPERSONS, SERVICE	242	2.8	NA
49999	ALL OTHER SALES AND RELATED WORKERS	72	0.8	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**4,692**	**54.9**	**NA**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	421	4.9	18.97
53302	INSURANCE ADJUSTERS, EXAMINERS, AND INVESTIGATORS	300	3.5	41.41
53311	INSURANCE CLAIMS CLERKS	145	1.7	20.99
53314	INSURANCE POLICY PROCESSING CLERKS	990	11.6	17.97
55199	ALL OTHER SECRETARIES	422	4.9	NA
55305	RECEPTIONISTS AND INFORMATION CLERKS	282	3.3	16.32
55308	TYPISTS	111	1.3	25.47
55311	TYPISTS, WORD PROCESSING EQUIPMENT	136	1.6	31.19
55321	FILE CLERKS	208	18.6	7.71
55338	BOOKKEEPING AND ACCOUNTING CLERKS	423	4.9	13.35
55344	BILLING, COST AND RATE CLERKS	48	0.6	26.53
55347	GENERAL OFFICE CLERKS	497	5.8	19.68
56017	DATA ENTRY KEYERS, EXCEPT COMPOSING	186	2.2	6.79
56099	ALL OTHER OFFICE MACHINE OPERATORS	65	0.8	NA
57102	SWITCHBOARD OPERATORS	43	0.5	35.88
57302	MAIL CLERKS, EXC. MAIL MACHINE OPERS. & POSTAL SERVICE	115	1.3	11.63
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	12	0.1	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	288	3.4	NA

ARIZONA ESTIMATED EMPLOYMENT
Insurance Agents, Brokers, and Services
(SIC 64)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
60000	SERVICE OCCUPATIONS	58	0.7	NA
63099	ALL OTHER PROTECTIVE SERVICE WORKERS	52	0.6	NA
65099	ALL OTHER FOOD SERVICE WORKERS	2	0.0	NA
67099	ALL OTHER CLEANING AND BUILDING SERVICE WORKERS	4	0.0	NA
	TOTAL OF ALL OCCUPATIONS	8,549	100.0	

ARIZONA ESTIMATED EMPLOYMENT
Real Estate
(SIC 65)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
10000	MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	5,223	21.6	NA
13002	FINANCIAL MANAGERS	275	1.1	2.83
13005	PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	23	0.1	3.82
13011	MARKETING, ADVERTISING, AND PUBLIC RELATIONS MGRS.	66	0.3	2.14
13014	ADMINISTRATIVE SERVICES MANAGERS	72	0.3	8.79
15011	PROPERTY AND REAL ESTATE MANAGERS AND ADMINISTRATORS	2,641	10.9	2.66
15017	CONSTRUCTION MANAGERS	107	0.4	27.87
15026	FOOD SERVICE AND LODGING MANAGERS	125	0.5	47.42
19005	GENERAL MANAGERS AND TOP EXECUTIVES	1,372	5.7	8.36
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	542	2.2	NA
20000	PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	1,089	4.5	NA
21114	ACCOUNTANTS AND AUDITORS	250	1.0	3.45
21199	ALL OTHER FINANCIAL SPECIALISTS	45	0.2	NA
21902	COST ESTIMATORS	35	0.1	42.81
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	329	1.4	NA
22199	ALL OTHER ENGINEERS	10	0.0	NA
22599	ALL OTHER ENGINEERING AND RELATED TECHS.	12	0.0	NA
24500	PHYSICAL AND LIFE SCIENCE TECNICIANS/TECHNOLOGISTS	1	0.0	39.99
28399	ALL OTHER LEGAL ASSISTANTS AND TECHNICIANS, EXC. CLERICAL	99	0.4	NA
32999	ALL OTHER HEALTH PROFESSIONALS, PARAPROF., & TECHS.	19	0.1	NA
34008	PUBLIC RELATIONS SPECIALISTS	24	0.1	34.63
39999	ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	265	1.1	NA
40000	SALES AND RELATED OCCUPATIONS	3,694	15.3	NA
41002	FIRST LINE SUPERVISORS AND MGR./SUPERVISORS, SALES	207	0.9	21.44
43005	BROKERS, REAL ESTATE	286	1.2	16.11
43008	SALES AGENTS, REAL ESTATE	2,153	8.9	13.76
43011	APPRAISERS, REAL ESTATE	630	2.6	39.41
43099	ALL OTHER SALES REPS. AND SALESPERSONS, SERVICE	204	0.8	NA
49999	ALL OTHER SALES AND RELATED WORKERS	214	0.9	NA
50000	CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	5,318	22.0	NA
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	271	1.1	22.73
53123	ADJUSTMENT CLERKS	89	0.4	24.43
53508	BILL AND ACCOUNT COLLECTORS	50	0.2	36.72
53914	REAL ESTATE CLERKS	448	1.9	20.00
55199	ALL OTHER SECRETARIES	1,242	5.1	NA
55305	RECEPTIONISTS AND INFORMATION CLERKS	673	2.8	14.21
55308	TYPISTS	115	0.5	47.65
55311	TYPISTS, WORD PROCESSING EQUIPMENT	118	0.5	47.53
55321	FILE CLERKS	24	0.1	35.34
55330	BOOKKEEPING AND ACCOUNTING CLERKS	1,045	4.3	9.77
55341	PAYROLL AND TIMEKEEPING CLERKS	34	0.1	24.96
55347	GENERAL OFFICE CLERKS	730	3.0	19.66
56017	DATA ENTRY KEYERS, EXCEPT COMPOSING	56	0.2	32.73

ARIZONA ESTIMATED EMPLOYMENT
Real Estate
(SIC 65)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
56099	ALL OTHER OFFICE MACHINE OPERATORS	40	0.2	NA
57102	SWITCHBOARD OPERATORS	61	0.3	28.11
57302	MAIL CLERKS, EXC. MAIL MACHINE OPERS. & POSTAL SERVICE	12	0.0	48.07
57311	MESSENGERS	15	0.1	40.85
58099	ALL MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTION	23	0.1	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	272	1.1	NA
60000	**SERVICE OCCUPATIONS**	**3,068**	**12.7**	**NA**
61000	FIRST LINE SUPERVISORS AND MGR./SUPERS., SERVICE	91	0.4	25.17
63047	GUARDS AND WATCH GUARDS	743	3.1	18.47
65000	FOOD AND BEVERAGE SERVICE OCCUPATIONS	434	1.8	36.46
67002	MAIDS AND HOUSEKEEPING CLEANERS	526	2.2	18.57
67005	JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	997	4.1	14.91
67099	ALL OTHER CLEANING AND BUILDING SERVICE WORKERS	128	0.5	NA
69999	ALL OTHER SERVICE WORKERS	149	0.6	NA
70000	**AGRICULTURAL, FORESTRY, AND RELATED OCCUPATIONS**	**1,263**	**5.2**	**NA**
79014	GARDENERS AND GROUNDSKEEPERS, EXC. FARM	1,249	5.2	11.68
79999	ALL OTHER AGRICULTURAL, FORESTRY, AND RELATED	14	0.1	NA
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**4,509**	**18.7**	**NA**
81005	FIRST LINE MGRS./SUPERS.-CONSTRUCTION AND EXTRACTIVE	188	0.8	33.21
81099	ALL OTHER FIRST LINE SUPERS. -PROD./CONST./MAINT.	121	0.5	NA
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	3,438	14.2	8.12
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	75	0.3	NA
87402	PAINTERS AND PAPERHANGERS, CONSTRUCTION AND MAINT.	149	0.6	28.5
87899	ALL OTHER CONSTRUCTION TRADES WORKERS	64	0.3	NA
87999	ALL OTHER CONST. & EXTRACT. WORKERS, EXC. HELPERS	56	0.2	NA
89799	ALL OTHER PRECISION PRINTING WORKERS	5	0.0	NA
95099	ALL OTHER PLANT AND SYSTEM OPERATORS	16	0.1	NA
97105	TRUCK DRIVERS, LIGHT -INCL. DELIVERY AND ROUTE WRKRS.	43	0.2	NA
97989	ALL OTHER TRANSP. AND MATRL. MOVING EQUIP. OPERATORS	83	0.3	NA
98799	ALL OTHER FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	5	0.0	NA
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	266	1.1	NA
	TOTAL OF ALL OCCUPATIONS	**24,164**	**100.0**	

ARIZONA ESTIMATED EMPLOYMENT
Holding and Related Investment Offices
(SIC 67)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
10000	**MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS**	**569**	**31.6**	**NA**
13002	FINANCIAL MANAGERS	77	4.3	9.09
13005	PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	32	1.8	8.59
13011	MARKETING, ADVERTISING, AND PUBLIC RELATIONS MGRS.	15	0.8	10.11
13014	ADMINISTRATIVE SERVICES MANAGERS	57	3.2	6.67
19005	GENERAL MANAGERS AND TOP EXECUTIVES	197	11.0	23.52
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	191	10.6	NA
20000	**PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL**	**360**	**20.0**	**NA**
21114	ACCOUNTANTS AND AUDITORS	49	2.7	9.10
21199	ALL OTHER FINANCIAL SPECIALISTS	10	0.6	NA
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	76	4.2	NA
22199	ALL OTHER ENGINEERS	35	1.9	NA
22599	ALL OTHER ENGINEERING AND RELATED TECHS.	2	0.1	NA
25105	COMPUTER PROGRAMMERS	62	3.4	6.23
25319	ALL OTHER MATHEMATICAL SCIENTISTS	46	2.6	NA
27199	ALL OTHER SOCIAL SCIENTISTS	2	0.1	NA
28399	ALL OTHER LEGAL ASSISTANTS/TECHNS., EXC. CLERICAL	7	0.4	NA
39999	ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	71	3.9	NA
40000	**SALES AND RELATED OCCUPATIONS**	**191**	**10.6**	**NA**
43099	ALL OTHER SALES REPS. & SALESPERSONS, SERVICE	181	10.1	NA
49999	ALL OTHER SALES AND RELATED WORKERS	10	0.6	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**540**	**30.0**	**NA**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	82	4.6	44.73
55100	SECRETARIES	157	8.7	20.77
55305	RECEPTIONISTS AND INFORMATION CLERKS	26	1.4	38.31
55338	BOOKKEEPING AND ACCOUNTING CLERKS	87	4.8	13.49
55341	PAYROLL AND TIMEKEEPING CLERKS	12	0.7	7.49
55347	GENERAL OFFICE CLERKS	68	3.8	39.75
56011	COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	14	0.8	7.42
56017	DATA ENTRY KEYERS, EXCEPT COMPOSING	23	1.3	5.92
56099	ALL OTHER OFFICE MACHINE OPERATORS	6	0.3	NA
57199	ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	5	0.3	NA
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	5	0.3	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	55	3.1	NA
60000	**SERVICE OCCUPATIONS**	**40**	**2.2**	**NA**
61099	ALL OTHER SUPERVISORS AND MGR./SUPERS., SERVICE	4	0.2	NA
63099	ALL OTHER PROTECTIVE SERVICE WORKERS	2	0.1	NA
65099	ALL OTHER FOOD SERVICE WORKERS	31	1.7	NA
67099	ALL OTHER CLEANING/BLDG. SERVICE, EXC. PRIV. HOUSE	2	0.1	NA
69999	ALL OTHER SERVICE WORKERS	1	0.1	NA

ARIZONA ESTIMATED EMPLOYMENT
Holding and Related Investment Offices
(SIC 67)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
70000	AGRICULTURE, FORESTRY, AND RELATED OCCUPATIONS	2	0.1	NA
80000	PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING	96	5.3	NA
81099	ALL OTHER FIRST LINE SUPERS. -PROD./CONST./MAINT.	10	0.6	NA
83099	ALL OTHER INSPECTORS, TESTERS, AND RELATED	1	0.1	NA
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	12	0.7	NA
87899	ALL OTHER CONSTRUCTION TRADES WORKERS	52	2.9	NA
87999	ALL OTHER CONST./EXTRACT. WORKERS, EXC. HELPERS	4	0.2	NA
89999	ALL OTHER PRECISION WORKERS	1	0.1	NA
91000	MACHINE SETTERS, OPERATORS, & TENDERS	2	0.1	18.02
93000	ALL OTHER HAND WORKERS	1	0.1	NA
97199	ALL OTHER MOTOR VEHICLE OPERATORS	2	0.1	NA
97989	ALL OTHER TRANSP. AND MATRL. MOVING EQUIP. OPERATORS	3	0.2	NA
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	8	0.4	NA
	TOTAL OF ALL OCCUPATIONS	1,798	100.0	

OCCUPATIONAL EMPLOYMENT

IN

SERVICES

ARIZONA ESTIMATED EMPLOYMENT
Hotels and Motels
(SIC 70)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
10000	**MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS**	**1,959**	**5.3**	**NA**
13002	FINANCIAL MANAGERS	151	0.4	11.62
13005	PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	64	0.2	15.27
13008	PURCHASING MANAGERS	26	0.1	23.70
13011	MARKETING, ADVERTISING, AND PUBLIC RELATIONS MGRS.	111	0.3	13.09
13014	ADMINISTRATIVE SERVICES MANAGERS	22	0.1	20.97
15026	FOOD SERVICE AND LODGING MANAGERS	858	2.3	7.83
19005	GENERAL MANAGERS AND TOP EXECUTIVES	616	1.7	13.31
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	111	0.3	NA
20000	**PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL**	**1,058**	**2.8**	**NA**
21114	ACCOUNTANTS AND AUDITORS	261	0.7	11.73
21199	ALL OTHER FINANCIAL SPECIALISTS	25	0.1	NA
21308	PURCHASING AGENTS- EXC. WHOLESALE, RETAIL, AND FARM	38	0.1	11.59
21511	PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	46	0.1	12.77
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	153	0.4	NA
22199	ALL OTHER ENGINEERS	11	0.0	NA
22599	ALL OTHER ENGINEERING AND RELATED TECHS.	10	0.0	NA
24399	ALL OTHER LIFE SCIENTISTS	2	0.0	NA
25105	COMPUTER PROGRAMMERS	11	0.0	21.53
27311	RECREATION WORKERS	82	0.2	18.52
31321	INSTRUCTORS & COACHES, SPORTS & PHYSICAL TRAINING	238	0.6	29.02
31399	ALL OTHER TEACHERS AND INSTRUCTORS	13	0.0	NA
32999	ALL OTHER HEALTH PROFESSIONALS, PARAPROF., AND TECHNICIANS	20	0.1	NA
34008	PUBLIC RELATIONS SPECIALISTS & PUBLICITY WRITERS	19	0.1	0.00
39999	ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	129	0.3	NA
40000	**SALES AND RELATED OCCUPATIONS**	**1,426**	**3.8**	**NA**
41002	FIRST LINE SUPERVISORS, SALES	191	0.5	11.65
43017	SALES AGENTS, SELECTED BUSINESS SERVICES	286	0.8	10.09
43099	ALL OTHER SALES REPS. AND SALESPERSONS, SERVICE	39	0.1	NA
49011	SALESPERSONS, RETAIL	405	1.1	7.21
49023	CASHIERS	464	1.2	8.16
49999	ALL OTHER SALES AND RELATED WORKERS	41	0.1	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**5,010**	**13.4**	**NA**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	252	0.7	15.00
53123	ADJUSTMENT CLERKS	11	0.0	42.06
53802	TRAVEL CLERKS	78	0.2	14.27
53805	RESERVATION AND TRANSPORTATION TICKET AGENTS	38	0.1	40.69
53808	HOTEL DESK CLERKS	2,524	6.8	4.68
55100	SECRETARIES	489	1.3	9.12
55305	RECEPTIONISTS AND INFORMATION CLERKS	123	0.3	12.87
55308	TYPISTS	10	0.0	15.77
55311	TYPISTS, WORD PROCESSING EQUIPMENT	14	0.0	31.07
55314	PERSONNEL CLERKS, EXC. PAYROLL AND TIMEKEEPING	20	0.1	13.67

ARIZONA ESTIMATED EMPLOYMENT
Hotels and Motels
(SIC 70)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
55326	PROCUREMENT CLERKS	17	0.0	13.68
55338	BOOKKEEPING AND ACCOUNTING CLERKS	620	1.7	9.06
55341	PAYROLL AND TIMEKEEPING CLERKS	40	0.1	18.41
55347	GENERAL OFFICE CLERKS	153	0.4	14.81
56011	COMPUTER OPERATORS	16	0.0	31.62
56099	ALL OTHER OFFICE MACHINE OPERATORS	21	0.1	NA
57102	SWITCHBOARD OPERATOR	260	0.7	7.51
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	162	0.4	5.79
58028	SHIPPING, RECEIVING, AND TRAFFIC CLERKS	40	0.1	17.54
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, & DISTR.	67	0.2	4.85
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	55	0.1	NA
60000	**SERVICE OCCUPATIONS**	**24,410**	**65.4**	**NA**
61008	HOUSEKEEPERS	648	1.7	14.95
61099	ALL OTHER FIRST LINE SUPERVISORS & MGR./SUPERS., SERVICE	480	1.3	NA
63047	GUARDS AND WATCH GUARDS	452	1.2	6.15
63099	ALL OTHER PROTECTIVE SERVICE WORKERS	10	0.0	NA
65002	HOSTS AND HOSTESSES	497	1.3	8.62
65005	BARTENDERS	1,099	2.9	5.29
65008	WAITERS AND WAITRESSES	4,742	12.7	4.96
65011	FOOD SERVERS, OUTSIDE	918	2.5	9.64
65014	DINING ROOM AND CAFETERIA ATTENDANTS	1,750	4.7	5.57
65017	COUNTER ATTENDANTS, FOOD	189	0.5	42.59
65021	BAKERS, BREAD AND PASTRY	124	0.3	7.30
65023	BUTCHERS AND MEAT CUTTERS	26	0.1	7.01
65026	COOKS, RESTAURANT	1,867	5.0	4.47
65028	COOKS, INSTITUTION AND CAFETERIA	51	0.1	36.35
65035	COOKS, SHORT ORDER	109	0.3	36.71
65038	FOOD PREPARATION WORKERS	1,841	4.9	4.57
65041	COMBINED FOOD PREPARATION AND SERVICE WORKERS	179	0.5	27.86
65099	ALL OTHER FOOD SERVICE WORKERS	102	0.3	NA
67002	MAIDS AND HOUSEKEEPING CLEANERS	6,585	17.7	5.22
67005	JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	794	2.1	12.72
67099	ALL OTHER CLEANING AND BUILDING SERVICE WORKERS	431	1.2	NA
68014	AMUSEMENT AND RECREATION ATTENDANTS	195	0.5	10.57
68017	GUIDES	28	0.1	26.31
68023	BAGGAGE PORTERS AND BELLHOPS	717	1.9	8.33
69999	ALL OTHER SERVICE WORKERS	576	1.5	NA
70000	**AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS**	**697**	**1.9**	**NA**
79014	GARDENERS AND GROUNDSKEEPERS, EXC. FARM	668	1.8	7.14
79999	ALL OTHER AGRICULTURAL, FORESTRY, FISHING, & REL.	29	0.1	NA
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**2,741**	**7.3**	**NA**
81005	FIRST LINE MGRS./SUPERS.- CONSTRUCTION & EXTRACTIVE	17	0.0	22.64
81099	ALL OTHER FIRST LINE MGRS./SUPERS.- PROD/CONST/MAINT	98	0.3	NA

ARIZONA ESTIMATED EMPLOYMENT
Hotels and Motels
(SIC 70)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
83000	INSPECTORS AND RELATED OCCUPATIONS	21	0.1	26.50
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	1,258	3.4	5.70
85302	AUTOMOTIVE MECHANICS	29	0.1	18.77
85902	HEATING, AIR COND., & REFRIG. MECHANICS & INSTALLERS	33	0.1	21.69
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	84	0.2	NA
87102	CARPENTERS	32	0.1	10.99
87202	ELECTRICIANS	14	0.0	26.26
87402	PAINTERS AND PAPERHANGERS, CONSTRUCTION AND MAINT.	33	0.1	14.48
87502	PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	14	0.0	29.58
89999	ALL OTHER PRECISION WORKERS	7	0.0	NA
92726	LAUNDRY AND DRYCLEANING MACHINE OPERATORS	664	1.8	9.69
92998	ALL OTHER MACHINE OPERATORS AND TENDERS	11	0.0	NA
93999	ALL OTHER HAND WORKERS	16	0.0	NA
95099	ALL OTHER PLANT AND SYSTEM OPERATORS	10	0.0	NA
97105	TRUCK DRIVERS, LIGHT- INCL. DELIVERY AND ROUTE WRKRS.	31	0.1	41.18
97114	TAXI DRIVERS AND CHAUFFEURS	71	0.2	17.52
97199	ALL OTHER MOTOR VEHICLE OPERATORS	51	0.1	NA
97808	PARKING LOT ATTENDANTS	56	0.2	10.99
97989	ALL OTHER TRANSP. & MATRL. MOVING EQUIP. OPERATORS	55	0.2	NA
98700	FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	40	0.1	27.92
98999	ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	86	0.2	NA
	TOTAL OF ALL OCCUPATIONS	37,301	100.00	

ARIZONA ESTIMATED EMPLOYMENT
Personal Services
(SIC 72)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
10000	MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	867	5.2	NA
13002	FINANCIAL MANAGERS	41	0.2	34.22
13011	MARKETING, ADVERTISING, AND PUBLIC RELATIONS MGRS.	23	0.1	32.96
19005	GENERAL MANAGERS AND TOP EXECUTIVES	710	4.2	8.48
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	93	0.6	NA
20000	PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	1,403	8.4	NA
21111	TAX PREPARERS	152	0.9	42.05
21114	ACCOUNTANTS AND AUDITORS	16	0.1	48.79
21199	ALL OTHER FINANCIAL SPECIALISTS	1	0.0	NA
21511	PERSONNEL, TRAINING, & LABOR RELATIONS SPECIALISTS	23	0.1	2.91
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	6	0.0	NA
22199	ALL OTHER ENGINEERS	5	0.0	NA
22599	ALL OTHER ENGINEERING AND RELATED TECHS.	4	0.0	NA
31111	LECTURERS	107	0.6	38.10
31314	TEACHERS AND INSTRUCTORS, VOC. ED. AND TRAINING	61	0.4	47.74
31321	INSTRUCTORS & COACHES, SPORTS & PHYSICAL TRAINING	241	1.4	22.27
31399	ALL OTHER TEACHERS AND INSTRUCTORS	65	0.4	NA
32999	ALL OTHER PROFESSIONALS, PARAPROF., & TECHS.	156	0.9	NA
34023	PHOTOGRAPHERS	254	1.5	35.52
39011	FUNERAL DIRECTORS AND MORTICIANS	144	0.9	10.04
39014	EMBALMERS	118	0.7	15.43
39999	ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	50	0.3	NA
40000	SALES AND RELATED OCCUPATIONS	1,965	11.7	NA
41002	FIRST LINE SUPERVISORS AND MGR./SUPERVISORS, SALES	51	0.3	32.86
49008	SALES REPS., EXCEPT SCIENTIFIC, RELATED, AND RETAIL	354	2.1	25.05
49017	COUNTER AND RENTAL CLERKS	831	5.0	14.46
49023	CASHIERS	315	1.9	48.13
49026	VENDORS, TELEPHONE SOLICITORS, DOOR-TO-DOOR, & REL.	337	2.0	30.75
49999	ALL OTHER SALES AND RELATED WORKERS	77	0.5	NA
50000	CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1,895	11.3	NA
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	52	0.3	21.84
55100	SECRETARIES	218	1.3	13.62
55305	RECEPTIONISTS AND INFORMATION CLERKS	879	5.2	12.32
55338	BOOKKEEPING AND ACCOUNTING CLERKS	215	1.3	16.72
55341	PAYROLL AND TIMEKEEPING CLERKS	11	0.1	34.58
55347	GENERAL OFFICE CLERKS	224	1.3	14.81
56017	DATA ENTRY KEYERS, EXCEPT COMPOSING	38	0.2	18.68
56099	ALL OTHER OFFICE MACHINE OPERATORS	17	0.1	NA
57102	SWITCHBOARD OPERATORS	17	0.1	11.36
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	43	0.3	14.75
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	12	0.1	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	169	1.0	NA
60000	SERVICE OCCUPATIONS	7,104	42.4	NA
61000	FIRST LINE SUPERVISORS AND MGR./SUPERS., SERVICE	151	0.9	19.14

ARIZONA ESTIMATED EMPLOYMENT
Personal Services
(SIC 72)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
63099	ALL OTHER PROTECTIVE SERVICE WORKERS	3	0.0	NA
65099	ALL OTHER FOOD SERVICE WORKERS	5	0.0	NA
67002	MAIDS AND HOUSEKEEPING CLEANERS	50	0.3	37.56
67005	JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	155	0.9	24.00
67099	ALL OTHER CLEANING AND BUILDING SERVICE WORKERS	136	0.8	NA
68002	BARBERS	282	1.7	48.01
68005	HAIRDRESSERS AND COSMETOLOGISTS	5,422	32.4	3.90
68008	MANICURISTS	487	2.9	24.38
68011	SHAMPOOERS	182	1.1	31.52
68038	CHILD CARE WORKERS	28	0.2	25.07
68041	FUNERAL ATTENDANTS	124	0.7	9.41
69999	ALL OTHER SERVICE WORKERS	79	0.5	NA
70000	**AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS**	**63**	**0.4**	**2.05**
79014	GARDENERS AND GROUNDSKEEPERS, EXC. FARM	63	0.4	2.05
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**3,463**	**20.7**	**NA**
81099	ALL OTHER FIRST LINE SUPERS. -PROD./CONST./MAINT	78	0.5	NA
83005	PRODUCTION INSPECTORS, TESTERS, GRADERS, & SORTERS	23	0.1	45.75
85119	ALL OTHER MACHINERY MAINTENANCE MECHANICS	24	0.1	NA
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	38	0.2	19.91
85302	AUTOMOTIVE MECHANICS	20	0.1	37.79
85956	MENDERS	52	0.3	33.17
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	32	0.2	NA
87899	ALL OTHER CONSTRUCTION TRADES WORKERS	3	0.0	NA
89505	CUSTOM TAILORS AND SEWERS	50	0.3	25.85
89511	SHOE AND LEATHER WORKERS AND REPAIRERS	32	0.2	34.27
89514	SPOTTERS, DRY CLEANING	23	0.1	29.78
89517	PRESSERS	243	1.4	25.35
89599	ALL OTHER PRECISION TEXTILE, APPAREL, & FURNISHINGS	17	0.1	NA
89999	ALL OTHER PRECISION WORKERS	31	0.2	NA
92726	LAUNDRY AND DRYCLEANING MACHINE OPERATORS	883	5.3	9.15
92728	PRESSING MACHINE OPERS. - TEXTILE, GARMENT, & REL.	683	4.1	13.71
92998	ALL OTHER MACHINE OPERATORS AND TENDERS	80	0.5	NA
93921	PRESSERS, HAND	63	0.4	27.21
93999	ALL OTHER HAND WORKERS	129	0.8	NA
95099	ALL OTHER PLANT AND SYSTEM OPERATORS	4	0.0	NA
97105	TRUCK DRIVERS, LIGHT- INCL. DELIVERY & ROUTE WRKRS.	380	2.3	13.22
97117	DRIVER/SALES WORKERS	171	1.0	18.44
97199	ALL OTHER MOTOR VEHICLE OPERATORS	9	0.1	NA
97989	ALL OTHER TRANSP. AND MATRL. MOVING EQUIP. OPERATORS	1	0.0	NA
98502	MACHINE FEEDERS AND OFFBEARERS	45	0.3	33.58
98700	FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	35	0.2	23.94
98902	HAND PACKERS AND PACKAGERS	96	0.6	46.31
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	218	1.3	NA
	TOTAL OF ALL OCCUPATIONS	**16,760**	**100.00**	

ARIZONA ESTIMATED EMPLOYMENT
Business Services
(SIC 73)

		EMPLOYMENT APRIL 1987	PERCENT DISTRIB.	REL. ERROR
10000	MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	4,538	6.1	NA
13002	FINANCIAL MANAGERS	234	0.3	17.61
13005	PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	58	0.1	23.14
13008	PURCHASING MANAGERS	13	0.0	38.60
13011	MARKETING, ADVERTISING, AND PUBLIC RELATIONS MGRS.	323	0.4	22.77
13014	ADMINISTRATIVE SERVICES MANAGER	146	0.2	38.73
13027	ENGINEERING, MATH., AND NATURAL SCIENCES MGRS.	244	0.3	24.03
19005	GENERAL MANAGERS AND TOP EXECUTIVES	3,040	4.1	8.49
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	480	0.6	NA
20000	PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	10,790	14.5	NA
21114	ACCOUNTANTS AND AUDITORS	274	0.4	30.09
21199	ALL OTHER FINANCIAL SPECIALISTS	185	0.2	NA
21308	PURCHASING AGENTS -EXC. WHOLESALE, RETAIL, AND FARM	64	0.1	48.62
21508	EMPLOYMENT INTERVIEWERS, PRIVATE OR PUBLIC SERVICE	449	0.6	33.84
21511	PERSONNEL, TRAINING, & LABOR RELATIONS SPECIALISTS	238	0.3	34.01
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	516	0.7	NA
22126	ELECTRICAL AND ELECTRONIC ENGINEERS	763	1.0	31.01
22199	ALL OTHER ENGINEERS	569	0.8	NA
22514	DRAFTERS	372	0.5	49.07
22599	ALL OTHER ENGINEERING AND RELATED TECHS.	1,366	1.8	NA
24199	ALL OTHER PHYSICAL SCIENTISTS	39	0.1	NA
24399	ALL OTHER LIFE SCIENTISTS	83	0.1	NA
24599	ALL OTHER PHYSICAL & LIFE SCIENCE TECHNS. & TECHNOL.	269	0.4	NA
25102	SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	358	0.5	37.85
25105	COMPUTER PROGRAMMERS	515	0.7	24.33
25108	COMPUTER PROGRAMMER AIDES	24	0.0	49.43
25302	OPERATIONS AND SYSTEMS ANALYSTS, EXC. COMPUTER	38	0.1	23.40
25319	ALL OTHER MATHEMATICAL SCIENTISTS	89	0.1	NA
27102	ECONOMISTS, INCLUDING MARKET RESEARCH ANALYSTS	14	0.0	34.49
27199	ALL OTHER SOCIAL SCIENTISTS	166	0.2	NA
28300	LEGAL ASSISTANTS AND TECHNICIANS, EXCEPT CLERICAL	23	0.0	45.70
31517	INSTRUCTIONAL COORDINATORS	17	0.0	22.88
32399	ALL OTHER THERAPISTS	10	0.0	NA
32502	REGISTERED NURSES	993	1.3	35.17
32505	LICENSED PRACTICAL NURSES	732	1.0	41.27
32999	ALL OTHER HEALTH PRO/PARAPROFESSIONALS AND TECHNS.	169	0.2	NA
34002	WRITERS AND EDITORS	87	0.1	15.47
34005	TECHNICAL WRITERS	182	0.2	29.21
34008	PUBLIC RELATIONS SPECIALISTS	27	0.0	27.41
34023	PHOTOGRAPHERS	94	0.1	45.20
34035	ARTISTS AND RELATED WORKERS	406	0.5	16.99
34038	DESIGNERS, EXCEPT INTERIOR DESIGNERS	352	0.5	16.78
34041	INTERIOR DESIGNERS	39	0.1	33.96
39999	ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	1,258	1.7	NA

ARIZONA ESTIMATED EMPLOYMENT
Business Services
(SIC 73)

		EMPLOYMENT APRIL 1987	PERCENT DISTRIB.	REL. ERROR
40000	**SALES AND RELATED OCCUPATIONS**	**6,402**	**8.6**	**NA**
41002	FIRST LINE SUPERVISORS AND MGR./SUPERVISORS, SALES	347	0.5	26.60
43017	SALES AGENTS, SELECTED BUSINESS SERVICES	578	0.8	19.81
43023	SALES AGENTS, ADVERTISING	165	0.2	26.64
43099	ALL OTHER SALES REPS. & SALESPERSONS, SERVICE	165	0.2	NA
49005	SALES REPS., SCIENTIFIC PROD. & SERV., EXC. RETAIL	66	0.1	43.38
49008	SALES REPS., EXCEPT SCIENTIFIC, RELATED, AND RETAIL	1,357	1.8	42.68
49017	COUNTER AND RENTAL CLERKS	1,693	2.3	32.77
49023	CASHIERS	263	0.4	30.60
49032	DEMONSTRATORS, PROMOTERS, AND MODELS	254	0.3	26.03
49999	ALL OTHER SALES AND RELATED WORKERS	1,514	2.0	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**18,743**	**25.2**	**NA**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	992	1.3	15.57
53117	CREDIT CHECKERS	79	0.1	33.79
53123	ADJUSTMENT CLERKS	125	0.2	22.01
53508	BILL AND ACCOUNT COLLECTORS	640	0.9	16.26
53908	ADVERTISING CLERKS	20	0.0	33.36
53911	PROOFREADERS AND COPY MARKERS	53	0.1	35.44
55100	SECRETARIES	2,183	2.9	16.76
55302	STENOGRAPHERS	35	0.0	47.69
55305	RECEPTIONISTS AND INFORMATION CLERKS	1,308	1.8	21.23
55311	TYPISTS, WORD PROCESSING EQUIPMENT	779	1.0	39.54
55314	PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	36	0.0	25.78
55328	STATISTICAL CLERKS	32	0.0	16.65
55332	INTERVIEWING CLERKS, EXC. PERSONNEL AND WELFARE	1,042	1.4	49.17
55338	BOOKKEEPING AND ACCOUNTING CLERKS	1,355	1.8	15.06
55341	PAYROLL AND TIMEKEEPING CLERKS	194	0.3	36.20
55344	BILLING, COST AND RATE CLERKS	198	0.3	26.29
55347	GENERAL OFFICE CLERKS	2,236	3.0	14.95
56005	DUPLICATING MACHINE OPERATORS	14	0.0	49.83
56008	MAIL MACHINE OPERATORS, PREPARATION AND HANDLING	145	0.2	36.56
56011	COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	401	0.5	34.49
56017	DATA ENTRY KEYERS, EXCEPT COMPOSING	1,507	2.0	20.86
56099	ALL OTHER OFFICE MACHINE OPERATORS	476	0.6	NA
57199	ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	1,459	2.0	NA
58005	DISPATCHERS, EXCEPT POLICE, FIRE, AND AMBULANCE	264	0.4	43.12
58008	PRODUCTION, PLANNING, AND EXPEDITING CLERKS	198	0.3	12.22
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	586	0.8	46.29
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	250	0.3	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	2,136	2.9	NA
60000	**SERVICE OCCUPATIONS**	**20,524**	**27.6**	**NA**
61008	HOUSEKEEPERS	76	0.1	46.01
61099	ALL OTHER FIRST LINE SUPERVISORS & MGR./SUPERS., SERVICE	945	1.3	NA
63047	GUARDS AND WATCH GUARDS	6,438	8.7	13.32

ARIZONA ESTIMATED EMPLOYMENT
Business Services
(SIC 73)

		EMPLOYMENT APRIL 1987	PERCENT DISTRIB.	REL. ERROR
63099	ALL OTHER PROTECTIVE SERVICE WORKERS	1,693	2.3	NA
65000	FOOD AND BEVERAGE SERVICE OCCUPATIONS	216	0.3	37.33
66099	ALL OTHER HEALTH SERVICE WORKERS	1,542	2.1	NA
67005	JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	7,633	10.3	20.19
67008	PEST CONTROLLERS AND ASSISTANTS	762	1.0	26.04
67099	ALL OTHER CLEANING/BLDG. SERVICE, EXC. PRIV. HOUSE	568	0.8	NA
69999	ALL OTHER SERVICE WORKERS	651	0.9	NA
70000	AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS	353	0.5	NA
79014	GARDENERS AND GROUNDSKEEPERS, EXC. FARM	287	0.4	43.78
79999	ALL OTHER AGRICULTURAL, FORESTRY, FISHING, & REL.	66	0.1	NA
80000	PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING	13,053	17.5	NA
81000	FIRST LINE MGRS./SUPERS. -PRODUCTION/CONST./MAINT.	433	0.6	27.13
83005	PRODUCTION INSPECTORS, TESTERS, GRADERS, & SORTERS	138	0.2	14.40
83099	ALL OTHER INSPECTORS, TESTERS, AND REL. OCCUPATIONS	214	0.3	NA
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	152	0.2	29.51
85705	DATA PROCESSING EQUIPMENT REPAIRERS	608	0.8	43.84
85799	ALL OTHER ELEC. & ELECTR. EQUIP. MECH./INSTALL./REP.	1,322	1.8	NA
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	236	0.3	NA
87102	CARPENTERS	66	0.1	39.10
87202	ELECTRICIANS	91	0.1	46.98
87402	PAINTERS AND PAPERHANGERS, CONSTRUCTION AND MAINTENANCE	55	0.1	13.59
87502	PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	61	0.1	9.87
87999	ALL OTHER CONSTR. & EXTRACTIVE WRKRS. EXC. HELPERS	16	0.0	NA
89108	MACHINISTS	77	0.1	34.74
89999	ALL OTHER PRECISION WORKERS	990	1.3	NA
92198	ALL OTHER METAL AND PLASTIC MACHINE OPERS./TENDERS	39	0.1	NA
92543	PRINTING PRESS MACHINE OPERATORS AND TENDERS	93	0.1	26.68
92545	PHOTOENGRAVING/LITHOGRAPHING MACHINE OPERS./TENDERS	111	0.1	26.23
92546	BINDERY MACHINE OPERATORS	57	0.1	26.21
92549	ALL OTHER PRINTING, BINDING, AND REL. MACH. OPERS.	288	0.4	NA
92908	PHOTOGRAPHIC PROCESSING MACHINE OPERATORS & TENDERS	1,047	1.4	37.32
92974	PACKAGING AND FILLING MACHINE OPERATORS AND TENDERS	42	0.1	36.60
92997	ALL OTHER MACHINE SETTERS AND SET-UP OPERATORS	34	0.0	NA
92998	ALL OTHER MACHINE OPERATORS AND TENDERS	107	0.1	NA
93999	ALL OTHER HAND WORKERS	1,133	1.5	NA
97105	TRUCK DRIVERS, LIGHT- INCL. DELIVERY & ROUTE WRKRS.	832	1.1	35.63
97199	ALL OTHER MOTOR VEHICLE OPERATORS	178	0.2	NA
97989	ALL OTHER TRANSP. AND MATRL. MOVING EQUIP. OPERATORS	1,608	2.2	NA
98799	ALL OTHER FREIGHT, STOCK, AND MATERIAL MOVERS , HAND	777	1.0	NA
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	2,248	3.0	NA
	TOTAL OF ALL OCCUPATIONS	74,393	100.0	

ARIZONA ESTIMATED EMPLOYMENT
Automotive Repair, Services, and Parking
(SIC 75)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
10000	**MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS**	**1,127**	**7.1**	**NA**
13002	FINANCIAL MANAGERS	67	0.4	23.45
13008	PURCHASING MANAGERS	13	0.1	27.92
13011	MARKETING, ADVERTISING, AND PUBLIC RELATIONS MGRS.	29	0.2	12.06
13014	ADMINISTRATIVE SERVICES MANAGERS	18	0.1	12.92
19005	GENERAL MANAGERS AND TOP EXECUTIVES	836	5.3	8.96
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	164	1.0	NA
20000	**PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL**	**400**	**2.5**	**NA**
21114	ACCOUNTANTS AND AUDITORS	88	0.6	18.82
21199	ALL OTHER FINANCIAL SPECIALISTS	30	0.2	NA
21511	PERSONNEL, TRAINING, & LABOR RELATIONS SPECIALISTS	18	0.1	15.46
21902	COST ESTIMATORS	72	0.5	19.73
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	41	0.3	NA
22199	ALL OTHER ENGINEERS	20	0.1	NA
22599	ALL OTHER ENGINEERING AND RELATED TECHS.	5	0.0	NA
25102	SYSTEMS ANALYSTS, EDP	77	0.5	4.06
25105	COMPUTER PROGRAMMERS	19	0.1	28.68
39999	ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	30	0.2	NA
40000	**SALES AND RELATED OCCUPATIONS**	**1,768**	**11.2**	**NA**
41002	FIRST LINE SUPERVISORS AND MGR./SUPERVISORS, SALES	355	2.3	16.82
49008	SALES REPS., EXCEPT SCIENTIFIC, RELATED, AND RETAIL	53	0.3	35.63
49011	SALESPERSONS, RETAIL	235	1.5	21.62
49014	SALESPERSONS, PARTS	205	1.3	24.65
49017	COUNTER AND RENTAL CLERKS	480	3.0	13.56
49023	CASHIERS	356	2.3	11.63
49999	ALL OTHER SALES AND RELATED WORKERS	84	0.5	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**2,374**	**15.1**	**NA**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	110	0.7	15.83
53123	ADJUSTMENT CLERKS	71	0.5	6.94
55100	SECRETARIES	310	2.0	15.72
55305	RECEPTIONISTS AND INFORMATION CLERKS	120	0.8	23.57
55321	FILE CLERKS	35	0.2	6.21
55323	ORDER CLERKS	13	0.1	43.15
55330	BOOKKEEPING AND ACCOUNTING CLERKS	763	4.8	5.81
55341	PAYROLL AND TIMEKEEPING CLERKS	24	0.2	8.02
55344	BILLING, COST, AND RATE CLERKS	13	0.1	29.93
55347	GENERAL OFFICE CLERKS	403	2.6	13.85
56011	COMPUTER OPERATORS	26	0.2	41.50
56017	DATA ENTRY KEYERS, EXCEPT COMPOSING	107	0.7	8.87
56099	ALL OTHER OFFICE MACHINE OPERATORS	63	0.4	NA
57199	ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	7	0.0	NA
58005	DISPATCHERS, EXC. POLICE, FIRE, AND AMBULANCE	69	0.4	43.19

ARIZONA ESTIMATED EMPLOYMENT
Automotive Repair, Services, and Parking
(SIC 75)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	68	0.4	30.82
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	18	0.1	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	154	1.0	NA
60000	**SERVICE OCCUPATIONS**	**47**	**0.3**	**NA**
61099	ALL OTHER FIRST LINE SUPERVISORS & MGR./SUPERS., SERVICE	9	0.1	NA
63099	ALL OTHER PROTECTIVE SERVICE WORKERS	1	0.0	NA
67005	JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	37	0.2	44.46
70000	**AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS**	**2**	**0.0**	**NA**
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**10,051**	**63.7**	**NA**
81002	FIRST LINE MGRS./SUPERS.- MECHS./INSTALLERS/REPAIRERS	518	3.3	13.74
81011	FIRST LINE MGRS./SUPERS.- TRANSPORTATION AND RELATED	95	0.6	12.08
81099	ALL OTHER FIRST LINE SUPERS.- PROD./CONST./MAINT.	56	0.4	NA
83099	ALL OTHER INSPECTORS, TESTERS, AND REL. OCCUPATIONS	157	1.0	NA
85119	ALL OTHER MACHINERY MAINTENANCE MECHANICS	84	0.5	NA
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	209	1.3	38.07
85302	AUTOMOTIVE MECHANICS	2,791	17.7	9.67
85305	AUTO BODY AND RELATED REPAIRERS	1,268	8.0	15.70
85311	BUS & TRUCK MECHS. & DIESEL ENGINE SPECIALISTS	639	4.1	27.28
85599	ALL OTHER COMMUNICATIONS EQUIP. MECHS./INSTALLERS/REPAIRERS	7	0.0	NA
85799	ALL OTHER ELEC. & ELECTR. EQUIP. MECHS./INSTALL./REP.	12	0.1	NA
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	240	1.5	NA
87999	ALL OTHER CONSTRUCTION & EXTRACTIVE WKRS., EXC. HELPERS	2	0.0	NA
89199	ALL OTHER PRECISION METAL WORKERS	88	0.6	NA
89399	ALL OTHER PRECISION WOODWORKERS	32	0.2	NA
92947	PAINTERS, TRANSPORTATION EQUIPMENT	176	1.1	34.05
93999	ALL OTHER HAND WORKERS	70	0.4	NA
97105	TRUCK DRIVERS, LIGHT- INCL. DELIVERY & ROUTE WRKRS.	357	2.3	31.63
97114	TAXI DRIVERS AND CHAUFFEURS	118	0.7	32.22
97199	ALL OTHER MOTOR VEHICLE OPERATORS	66	0.4	NA
97805	SERVICE STATION ATTENDANTS	707	4.5	15.58
97808	PARKING LOT ATTENDANTS	79	0.5	20.76
97989	ALL OTHER TRANSP. & MATRL. MOVING EQUIP. OPERATORS	86	0.5	NA
98102	HELPERS - MECHANICS AND REPAIRERS	197	1.2	35.92
98799	ALL OTHER FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	16	0.1	NA
98905	VEHICLE WASHERS AND EQUIPMENT CLEANERS	1,944	12.3	6.82
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	37	0.2	NA
	TOTAL OF ALL OCCUPATIONS	**15,769**	**100.00**	

ARIZONA ESTIMATED EMPLOYMENT
Miscellaneous Repair Services
(SIC 76)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
10000	**MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS**	**383**	**9.8**	**NA**
13002	FINANCIAL MANAGERS	28	0.7	23.77
19005	GENERAL MANAGERS AND TOP EXECUTIVES	335	8.6	7.28
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	20	0.5	NA
20000	**PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL**	**153**	**3.9**	**NA**
21199	ALL OTHER FINANCIAL SPECIALISTS	3	0.1	NA
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	18	0.5	NA
22100	ENGINEERS	12	0.3	35.34
22500	ENGINEERING TECHNICIANS AND TECHNOLOGISTS	108	2.8	45.34
39999	ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	12	0.3	NA
40000	**SALES AND RELATED OCCUPATIONS**	**246**	**6.3**	**NA**
41002	FIRST LINE SUPERVISORS AND MGR./SUPERVISORS, SALES	31	0.8	29.63
49008	SALES REPS., EXCEPT SCIENTIFIC, RELATED, AND RETAIL	64	1.6	26.03
49011	SALESPERSONS, RETAIL	105	2.7	24.79
49014	SALESPERSONS, PARTS	25	0.6	44.34
49999	ALL OTHER SALES AND RELATED WORKERS	21	0.5	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**515**	**13.2**	**NA**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	19	0.5	31.57
55100	SECRETARIES	155	4.0	12.51
55338	BOOKKEEPING AND ACCOUNTING CLERKS	81	2.1	16.03
55347	GENERAL OFFICE CLERKS	178	4.6	13.32
57199	ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	1	0.0	NA
58005	DISPATCHERS- EXCEPT POLICE, FIRE, AND AMBULANCE	26	0.7	39.41
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	26	0.7	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	29	0.7	NA
60000	**SERVICE OCCUPATIONS**	**31**	**0.8**	**NA**
67099	ALL OTHER CLEANING/BLDG. SERVICE, EXC. PRIV. HOUSE	20	0.5	NA
69999	ALL OTHER SERVICE WORKERS	11	0.3	NA
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**2,574**	**66.0**	**NA**
81002	FIRST LINE MGRS./SUPERS. -MECHS./INSTALLERS/REPAIRERS	109	2.8	14.24
81099	ALL OTHER FIRST LINE MGRS./SUPERS. -PROD./CONST./MAINT.	53	1.4	NA
83099	ALL OTHER INSPECTORS, TESTERS, AND RELATED OCCUPATIONS	19	0.5	NA
85119	ALL OTHER MACHINERY MAINTENANCE MECHANICS	32	0.8	NA
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	74	1.9	40.83
85311	BUS & TRUCK MECHANICS & DIESEL ENGINE SPECIALISTS	34	0.9	42.03
85514	RADIO MECHANICS	63	1.6	42.64
85599	ALL OTHER COMMUNICATIONS EQUIP. MECH./INSTALL./REP.	6	0.2	NA
85708	ELECTRONIC HOME ENTERTAINMENT EQUIPMENT REPAIRERS	100	2.6	32.84
85711	ELECTRIC APPLIANCE AND POWER TOOL REPAIRERS	117	3.0	29.29
85714	ELECTRIC MOTOR AND RELATED REPAIRERS	163	4.2	26.98
85799	ALL OTHER ELEC. & ELECTR. EQUIP. MECH./INSTALL./REP.	123	3.2	NA

ARIZONA ESTIMATED EMPLOYMENT
Miscellaneous Repair Services
(SIC 76)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
85902	HEATING, AIR CONDITIONING, & REFRIGERATION MECHANICS	383	9.8	14.65
85923	LOCKSMITHS AND SAFE REPAIRERS	168	4.3	27.49
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	185	4.7	NA
87502	PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	33	0.8	43.10
87511	SEPTIC TANK SERVICERS	95	2.4	42.26
87899	ALL OTHER CONSTRUCTION TRADES WORKERS	10	0.3	NA
87999	ALL OTHER CONSTR. & EXTRACTIVE WORKERS, EXC. HELPERS	30	0.8	NA
89108	MACHINISTS	30	0.8	29.36
89111	PRECISION GRINDERS, FILERS, AND SHARPENERS	30	0.8	48.02
89132	SHEET METAL WORKERS	41	1.1	41.89
89199	ALL OTHER PRECISION METAL WORKERS	5	0.1	NA
89314	FURNITURE FINISHERS	32	0.8	37.86
89399	ALL OTHER PRECISION WOODWORKERS	22	0.6	NA
89508	UPHOLSTERERS	141	3.6	21.11
89999	ALL OTHER PRECISION WORKERS	36	0.9	NA
92721	SEWING MACHINE OPERATORS, NON-GARMENT	40	1.0	36.79
92998	ALL OTHER MACHINE OPERATORS AND TENDERS	16	0.4	NA
93914	WELDERS AND CUTTERS	157	4.0	26.11
93999	ALL OTHER HAND WORKERS	57	1.5	NA
97105	TRUCK DRIVERS, LIGHT- INCL. DELIVERY & ROUTE WRKRS.	99	2.5	28.85
97199	ALL OTHER MOTOR VEHICLE OPERATORS	6	0.2	NA
98700	FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	30	0.8	27.65
98905	VEHICLE WASHERS AND EQUIPMENT CLEANERS	19	0.5	NA
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	16	0.4	NA
	TOTAL OF ALL OCCUPATIONS	3,902	100.00	

ARIZONA ESTIMATED EMPLOYMENT
Motion Pictures
(SIC 78)

		EMPLOYMENT JUNE 1987	PERCENT DISTRIB.	REL. ERROR
10000	**MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS**	**215**	**9.3**	**NA**
13014	ADMINISTRATIVE SERVICES MANAGERS	13	0.6	28.31
19005	GENERAL MANAGERS AND TOP EXECUTIVES	183	7.9	13.30
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	19	0.8	NA
20000	**PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL**	**259**	**11.2**	**NA**
21199	ALL OTHER FINANCIAL SPECIALISTS	2	0.1	NA
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	70	3.0	NA
22199	ALL OTHER ENGINEERS	2	0.1	NA
34026	CAMERA OPERATORS, TELEVISION AND MOTION PICTURE	25	1.1	38.47
34056	PRODUCERS, DIRECTORS, ACTORS, AND OTHER ENTERTAINERS	109	4.7	18.82
39999	ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	51	2.2	NA
40000	**SALES AND RELATED OCCUPATIONS**	**319**	**13.8**	**NA**
49023	CASHIERS	309	13.3	9.64
49999	ALL OTHER SALES AND RELATED WORKERS	10	0.4	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**67**	**2.9**	**NA**
55100	SECRETARIES	29	1.3	37.89
55338	BOOKKEEPING AND ACCOUNTING CLERKS	11	0.5	18.96
56099	ALL OTHER OFFICE MACHINE OPERATORS	1	0.0	NA
57199	ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	1	0.0	NA
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	2	0.1	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	23	1.0	NA
60000	**SERVICE OCCUPATIONS**	**1,188**	**51.2**	**NA**
61000	FIRST LINE SUPERVISORS AND MGR./SUPERS., SERVICE	86	3.7	8.75
63099	ALL OTHER PROTECTIVE SERVICE WORKERS	4	0.2	NA
65017	COUNTER ATTENDANTS- LUNCHROOM, COFFEE SHOP, OR CAFE	112	4.8	15.90
65041	COMBINED FOOD PREPARATION AND SERVICE WORKERS	409	17.6	17.58
65099	ALL OTHER FOOD SERVICE WORKERS	1	0.0	NA
67005	JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	94	4.1	6.08
68021	USHERS, LOBBY ATTENDANTS, AND TICKET TAKERS	482	20.8	3.23
70000	**AGRICULTURAL, FORESTRY, FISHING, & REL. OCCUPATIONS**	**5**	**0.2**	**NA**
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**267**	**11.5**	**NA**
81099	ALL OTHER FIRST LINE SUPERS. -PROD./CONST./MAINT.	8	0.3	NA
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	11	0.5	9.74
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	5	0.2	NA
87899	ALL OTHER CONSTRUCTION TRADES WORKERS	19	0.8	NA
92905	MOTION PICTURE PROJECTIONISTS	195	8.4	3.81
93999	ALL OTHER HAND WORKERS	13	0.6	NA
97199	ALL OTHER MOTOR VEHICLE OPERATORS	16	0.7	NA
	TOTAL OF ALL OCCUPATIONS	**2,320**	**100.00**	

ARIZONA ESTIMATED EMPLOYMENT
Amusement and Recreation Services
(SIC 79)

		EMPLOYMENT APRIL 1987	PERCENT DISTRIB.	REL. ERROR
10000	MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	954	7.0	NA
13002	FINANCIAL MANAGERS	65	0.5	20.61
13011	MARKETING, ADVERTISING, AND PUBLIC RELATIONS MGRS.	91	0.7	22.96
13014	ADMINISTRATIVE SERVICES MANAGERS	11	0.1	23.93
15026	FOOD SERVICE AND LODGING MANAGERS	101	0.7	11.29
19005	GENERAL MANAGERS AND TOP EXECUTIVES	504	3.7	10.72
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	182	1.3	NA
30000	PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	2,303	16.9	NA
21114	ACCOUNTANTS AND AUDITORS	34	0.2	35.26
21199	ALL OTHER FINANCIAL SPECIALISTS	1	0.0	NA
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	46	0.3	NA
22199	ALL OTHER ENGINEERS	1	0.0	NA
22599	ALL OTHER ENGINEERING AND RELATED TECHS.	7	0.1	NA
27311	RECREATION WORKERS	323	2.4	28.52
31317	INSTRUCTORS, NONVOCATIONAL EDUCATION	716	5.2	37.32
31321	INSTRUCTORS & COACHES, SPORTS & PHYSICAL TRAINING	513	3.8	34.47
32199	ALL OTHER HEALTH DIAGNOSING AND TREATING PRACTITIONERS	19	0.1	NA
34008	PUBLIC RELATIONS SPECIALISTS & PUBLICITY WRITERS	33	0.2	15.13
34047	MUSIC DIRECTORS, SINGERS, COMPOSERS, AND RELATED	101	0.7	47.16
34051	MUSICIANS, INSTRUMENTAL	207	1.5	0.34
34056	PRODUCERS, DIRECTORS, ACTORS, AND OTHER ENTERTAINERS	90	0.7	18.10
34058	ATHLETES, COACHES, UMPIRES, AND RELATED	122	0.9	17.19
39999	ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	90	0.7	NA
40000	SALES AND RELATED OCCUPATIONS	1,185	8.7	NA
41002	FIRST LINE SUPERVISORS AND MGR./SUPERVISORS, SALES	37	0.3	21.89
49008	SALES REPS., EXCEPT SCIENTIFIC, RELATED, AND RETAIL	61	0.4	36.98
49017	COUNTER AND RENTAL CLERKS	277	2.0	18.01
49023	CASHIERS	668	4.9	15.22
49999	ALL OTHER SALES AND RELATED WORKERS	142	1.0	NA
50000	CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1,013	7.4	NA
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	78	0.6	22.40
55100	SECRETARIES	212	1.6	24.34
55305	RECEPTIONISTS AND INFORMATION CLERKS	182	1.3	37.31
55338	BOOKKEEPING AND ACCOUNTING CLERKS	215	1.6	9.38
55341	PAYROLL AND TIMEKEEPING CLERKS	16	0.1	12.15
55347	GENERAL OFFICE CLERKS	149	1.1	20.08
56011	COMPUTER OPERATORS	12	0.1	19.27
56099	ALL OTHER OFFICE MACHINE OPERATORS	4	0.0	NA
57102	SWITCHBOARD OPERATOR	17	0.1	17.20
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	23	0.2	34.37
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	14	0.1	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	91	0.7	NA

ARIZONA ESTIMATED EMPLOYMENT
Amusement and Recreation Services
(SIC 79)

		EMPLOYMENT APRIL 1987	PERCENT DISTRIB.	REL. ERROR
60000	SERVICE OCCUPATIONS	5,511	40.4	NA
61099	ALL OTHER SUPERVISORS AND MGR./SUPERS., SERVICE	106	0.8	NA
63047	GUARDS AND WATCH GUARDS	322	2.4	22.71
63099	ALL OTHER PROTECTIVE SERVICE WORKERS	93	0.7	NA
65002	HOSTS AND HOSTESSES	46	0.3	29.95
65005	BARTENDERS	368	2.7	6.25
65008	WAITERS AND WAITRESSES	874	6.4	8.06
65014	DINING ROOM AND CAFETERIA ATTENDANTS	280	2.1	11.62
65017	COUNTER ATTENDANTS, FOOD	139	1.0	13.99
65026	COOKS, RESTAURANT	229	1.7	10.99
65032	COOKS, SPECIALTY FAST FOODS	37	0.3	38.21
65035	COOKS, SHORT ORDER	79	0.6	21.88
65038	FOOD PREPARATION WORKERS	257	1.9	11.15
65041	COMBINED FOOD PREPARATION AND SERVICE WORKERS	263	1.9	19.83
65099	ALL OTHER FOOD SERVICE WORKERS	110	0.8	NA
67002	MAIDS AND HOUSEKEEPING CLEANERS	92	0.7	14.85
67005	JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	521	3.8	44.46
67099	ALL OTHER CLEANING AND BUILDING SERVICE WORKERS	28	0.2	NA
68014	AMUSEMENT AND RECREATION ATTENDANTS	1,198	8.8	19.36
68021	USHERS AND TICKET TAKERS	130	1.0	19.13
68032	DRESSING ROOM ATTENDANTS	93	0.7	19.15
68038	CHILD CARE WORKERS	187	1.4	28.89
69999	ALL OTHER SERVICE WORKERS	59	0.4	NA
70000	AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS	1,442	10.6	NA
79014	GARDENERS AND GROUNDSKEEPERS, EXC. FARM	1,269	9.3	8.55
79017	ANIMAL CARETAKERS, EXC. FARM	172	1.3	19.33
79999	ALL OTHER AGRICULTURAL, FORESTRY, FISHING, & REL.	1	0.0	NA
80000	PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING	1,235	9.1	NA
81000	FIRST LINE MGRS./SUPERS.- PRODUCTION/CONST./MAINT.	58	0.4	13.13
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	476	3.5	11.31
85328	SMALL ENGINE SPECIALISTS	56	0.4	17.92
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	115	0.8	NA
87899	ALL OTHER CONSTRUCTION TRADES WORKERS	7	0.1	NA
89599	ALL OTHER PRECISION TEXTILE, APPAREL, & FURNISHINGS WRKRS.	46	0.3	NA
89999	ALL OTHER PRECISION WORKERS	7	0.1	NA
92726	LAUNDRY AND DRYCLEANING MACHINE OPERATORS	35	0.3	33.66
92998	ALL OTHER MACHINE OPERATORS AND TENDERS	2	0.0	NA
93999	ALL OTHER HAND WORKERS	12	0.1	NA
97199	ALL OTHER MOTOR VEHICLE OPERATORS	33	0.2	NA
97808	PARKING LOT ATTENDANTS	82	0.6	11.54
97989	ALL OTHER TRANSP. & MATRL. MOVING EQUIP. OPERATORS	141	1.0	NA
98999	ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	165	1.2	NA
	TOTAL OF ALL OCCUPATIONS	13,643	100.00	

ARIZONA ESTIMATED EMPOYMENT
Health Services
(SIC 80)

		EMPLOYMENT APRIL 1987	PERCENT DISTRIB.	REL. ERROR
10000	MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	1,294	3.1	NA
13002	FINANCIAL MANAGERS	208	0.5	23.28
13005	PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	46	0.1	5.08
13008	PURCHASING MANAGERS	11	0.0	20.14
13011	MARKETING, ADVERTISING, AND PUBLIC RELATIONS MGRS.	40	0.1	7.11
13014	ADMINISTRATIVE SERVICES MANAGERS	33	0.1	19.73
13017	ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MGRS.	38	0.1	36.94
15008	MEDICINE AND HEALTH SERVICES MANAGERS	472	1.1	12.56
15026	FOOD SERVICE AND LODGING MANAGERS	28	0.1	12.23
19005	GENERAL MANAGERS AND TOP EXECUTIVES	339	0.8	10.33
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	79	0.2	NA
20000	PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	16,605	39.2	NA
21114	ACCOUNTANTS AND AUDITORS	115	0.3	22.64
21199	ALL OTHER FINANCIAL SPECIALISTS	12	0.0	NA
21308	PURCHASING AGENTS -EXC. WHOLESALE, RETAIL, AND FARM	17	0.0	30.17
21511	PERSONNEL, TRAINING, & LABOR RELATIONS SPECIALISTS	44	0.1	4.09
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	103	0.2	NA
24199	ALL OTHER PHYSICAL SCIENTISTS	24	0.1	NA
24399	ALL OTHER LIFE SCIENTISTS	9	0.0	NA
25102	SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	19	0.0	2.23
25105	COMPUTER PROGRAMMERS	12	0.0	28.75
27108	PSYCHOLOGISTS	146	0.3	25.80
27199	ALL OTHER SOCIAL SCIENTISTS	1	0.0	NA
27302	SOCIAL WORKERS, MEDICAL AND PSYCHIATRIC	429	1.0	13.35
27305	SOCIAL WORKERS, EXC. MEDICAL AND PSYCHIATRIC	54	0.1	15.06
27308	SOCIAL SERVICE TECHNICIANS	117	0.3	9.68
27311	RECREATION WORKERS	93	0.2	10.21
27502	CLERGY	12	0.0	23.62
31114	NURSING INSTRUCTORS	9	0.0	26.08
31314	TEACHERS AND INSTRUCTORS, VOC. ED. AND TRAINING	9	0.0	25.45
31317	INSTRUCTORS, NONVOCATIONAL EDUCATION	58	0.1	40.95
31399	ALL OTHER TEACHERS AND INSTRUCTORS	19	0.0	NA
32102	PHYSICIANS AND SURGEONS	3,517	8.3	9.63
32105	DENTISTS	1,200	2.8	10.76
32108	OPTOMETRISTS	204	0.5	18.61
32111	PODIATRISTS	83	0.2	22.36
32199	ALL OTHER HEALTH DIAGNOSING & TREATING PRACTITIONERS	357	0.8	NA
32305	OCCUPATIONAL THERAPISTS	42	0.1	39.66
32308	PHYSICAL THERAPISTS	377	0.9	13.63
32314	SPEECH PATHOLOGISTS AND AUDIOLOGISTS	39	0.1	44.50
32317	RECREATIONAL THERAPISTS	63	0.1	14.45
32399	ALL OTHER THERAPISTS	50	0.1	NA
32502	REGISTERED NURSES	3,201	7.6	5.65
32505	LICENSED PRACTICAL NURSES	1,907	4.5	4.51
32511	PHYSICIAN'S ASSISTANTS	266	0.6	31.64
32514	OPTICIANS, DISPENSING AND MEASURING	308	0.7	22.06

ARIZONA ESTIMATED EMPOYMENT
Health Services
(SIC 80)

		EMPLOYMENT APRIL 1987	PERCENT DISTRIB.	REL. ERROR
32517	PHARMACISTS	55	0.1	0.81
32521	DIETICIANS AND NUTRITIONISTS	75	0.2	32.88
32523	DIETETIC TECHNICIANS	34	0.1	44.28
32902	MEDICAL AND CLINICAL LAB TECHNOLOGISTS	544	1.3	12.91
32905	MEDICAL AND CLINICAL LAB TECHNICIANS	506	1.2	15.22
32908	DENTAL HYGIENISTS	1,071	2.5	11.15
32911	MEDICAL RECORDS TECHNICIANS AND TECHNOLOGISTS	112	0.3	10.35
32917	RADIOLOGIC TECHNOLOGISTS	199	0.5	39.72
32921	RADIOLOGIC TECHNICIANS	607	1.4	19.39
32926	ELECTROCARDIOGRAPH TECHNICIANS AND TECHNOLOGISTS	16	0.0	24.98
32999	ALL OTHER HEALTH PROFESSIONALS, PARAPROF., & TECHS.	350	0.8	NA
34008	PUBLIC RELATIONS SPECIALISTS	20	0.0	31.58
39999	ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	100	0.2	NA
40000	**SALES AND RELATED OCCUPATIONS**	**241**	**0.6**	**NA**
49023	CASHIERS	139	0.3	32.78
49999	ALL OTHER SALES AND RELATED WORKERS	102	0.2	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**11,033**	**26.1**	**NA**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	1,253	3.0	9.34
53311	INSURANCE CLAIMS CLERKS	368	0.9	17.06
53508	BILL AND ACCOUNT COLLECTORS	132	0.3	24.40
55105	MEDICAL SECRETARIES	1,389	3.3	14.11
55199	ALL OTHER SECRETARIES	367	0.9	NA
55305	RECEPTIONISTS AND INFORMATION CLERKS	3,855	9.1	4.68
55308	TYPISTS	449	1.1	20.88
55311	TYPISTS, WORD PROCESSING EQUIPMENT	14	0.0	38.13
55314	PERSONNEL CLERKS, EXCEPT PAYROLL	11	0.0	6.29
55321	FILE CLERKS	235	0.6	18.74
55328	STATISTICAL CLERKS	185	0.4	9.97
55332	INTERVIEWING CLERKS, EXC. PERSONNEL AND WELFARE	86	0.2	26.11
55338	BOOKKEEPING AND ACCOUNTING CLERKS	714	1.7	11.65
55341	PAYROLL AND TIMEKEEPING CLERKS	24	0.1	19.47
55344	BILLING, COST AND RATE CLERKS	271	0.6	18.75
55347	GENERAL OFFICE CLERKS	810	1.9	17.15
56002	BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	59	0.1	49.23
56011	COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	30	0.1	33.45
56017	DATA ENTRY KEYERS, EXCEPT COMPOSING	112	0.3	11.62
56099	ALL OTHER OFFICE MACHINE OPERATORS	54	0.1	NA
57102	SWITCHBOARD OPERATORS	166	0.4	14.56
57311	MESSENGERS	213	0.5	18.62
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	48	0.1	6.23
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	25	0.1	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	163	0.4	NA
60000	**SERVICE OCCUPATIONS**	**12,197**	**28.8**	**NA**
61008	HOUSEKEEPERS	80	0.2	5.89

ARIZONA ESTIMATED EMPOYMENT
Health Services
(SIC 80)

		EMPLOYMENT APRIL 1987	PERCENT DISTRIB.	REL. ERROR
61099	ALL OTHER SUPERVISORS AND MGR./SUPERS., SERVICE	52	0.1	NA
63099	ALL OTHER PROTECTIVE SERVICE WORKERS	3	0.0	NA
65008	WAITERS AND WAITRESSES	52	0.1	47.07
65011	FOOD SERVERS, OUTSIDE	299	0.7	9.41
65014	DINING ROOM AND CAFETERIA ATTENDANTS	96	0.2	9.94
65028	COOKS, INSTITUTION OR CAFETERIA	319	0.8	6.18
65035	COOKS, SHORT ORDER	15	0.0	28.22
65038	FOOD PREPARATION WORKERS	404	1.0	6.58
65099	ALL OTHER FOOD SERVICE WORKERS	15	0.0	NA
66002	DENTAL ASSISTANTS	1,970	4.7	6.82
66005	MEDICAL ASSISTANTS	2,110	5.0	9.60
66008	NURSING AIDES, ORDERLIES, AND ATTENDANTS	4,634	10.9	2.10
66011	HOME HEALTH AIDES	366	0.9	35.61
66014	PSYCHIATRIC AIDES	23	0.1	48.19
66017	PHYSICAL THERAPY ASSISTANTS AND AIDES	346	0.8	23.29
66021	OCCUPATIONAL THERAPY ASSISTANTS AND AIDES	11	0.0	27.02
66026	PHARMACY ASSISTANTS	84	0.2	0.00
66099	ALL OTHER HEALTH SERVICE WORKERS	203	0.5	NA
67002	MAIDS AND HOUSEKEEPING CLEANERS	714	1.7	4.54
67005	JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	251	0.6	16.47
67099	ALL OTHER CLEANING/BLDG. SERVICE, EXC. PRIV. HOUSE	1	0.0	NA
68014	AMUSEMENT AND RECREATION ATTENDANTS	26	0.1	14.63
69999	ALL OTHER SERVICE WORKERS	123	0.3	NA
70000	**AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS**	**39**	**0.1**	**NA**
79014	GARDENERS AND GROUNDSKEEPERS, EXC. FARM	39	0.1	36.59
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**936**	**2.2**	**NA**
81000	FIRST LINE MGRS./SUPERS. - PRODUCTION/CONST./MAINT.	42	0.1	11.04
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	199	0.5	6.01
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	6	0.0	NA
87899	ALL OTHER CONSTRUCTION TRADES WORKERS	8	0.0	NA
87999	ALL OTHER CONSTR. & EXTRACTIVE WRKRS. EXC. HELPERS	2	0.0	NA
89921	PRECISION DENTAL LABORATORY TECHNICIANS	315	0.7	24.29
89999	ALL OTHER PRECISION WORKERS	12	0.0	NA
92726	LAUNDRY AND DRYCLEANING MACHINE OPERATORS	249	0.6	5.89
92997	ALL OTHER MACHINE SETTERS AND SET-UP OPERATORS	4	0.0	NA
92998	ALL OTHER MACHINE OPERATORS AND TENDERS	2	0.0	NA
93999	ALL OTHER HAND WORKERS	6	0.0	NA
95099	ALL OTHER PLANT AND SYSTEM OPERATORS	1	0.0	NA
97105	TRUCK DRIVERS, LIGHT- INCL. DELIVERY & ROUTE WRKRS.	39	0.1	33.83
97989	ALL OTHER TRANSP. AND MATRL. MOVING EQUIP. OPERATORS	26	0.1	NA
98000	HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	25	0.1	10.57
	TOTAL OF ALL OCCUPATIONS	**42,345**	**100.00**	

ARIZONA ESTIMATED EMPLOYMENT
Legal Services
(SIC 81)

		EMPLOYMENT MAY 1987	PERCENT DISTRIB.	REL. ERROR
10000	**MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS**	**205**	**1.8**	**NA**
20000	**PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL**	**4,679**	**41.4**	**NA**
21199	ALL OTHER FINANCIAL SPECIALISTS	83	0.7	NA
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	13	0.1	NA
28108	LAWYERS	3,534	31.2	10.53
28305	PARALEGAL PERSONNEL	826	7.3	22.10
28399	ALL OTHER LEGAL ASSISTANTS AND TECHS., EXC. CLERICAL	218	1.9	NA
39999	ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	5	0.0	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**6,343**	**56.1**	**NA**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	62	0.5	34.95
55102	LEGAL SECRETARIES	3,925	34.7	12.48
55199	ALL OTHER SECRETARIES	247	2.2	NA
55305	RECEPTIONISTS AND INFORMATION CLERKS	350	3.1	23.28
55311	TYPISTS, WORD PROCESSING EQUIPMENT	347	3.1	25.21
55321	FILE CLERKS	243	2.1	39.70
55338	BOOKKEEPING AND ACCOUNTING CLERKS	434	3.8	19.80
56099	ALL OTHER OFFICE MACHINE OPERATORS	90	0.8	NA
57311	MESSENGERS	294	2.6	31.37
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	351	3.1	NA
60000	**SERVICE OCCUPATIONS**	**85**	**0.8**	**NA**
63099	ALL OTHER PROTECTIVE SERVICE WORKERS	6	0.1	NA
67099	ALL OTHER CLEANING/BLDG. SERVICE, EXC. PRIV. HOUSE	79	0.7	NA
	TOTAL OF ALL OCCUPATIONS	**11,312**	**100.0**	

ARIZONA ESTIMATED EMPLOYMENT
Social Services
(SIC 83)

		EMPLOYMENT APRIL 1987	PERCENT DISTRIB.	REL. ERROR
10000	MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	1,757	9.7	NA
13002	FINANCIAL MANAGERS	116	0.6	6.77
13005	PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	30	0.2	6.84
13011	MARKETING, ADVERTISING, AND PUBLIC RELATIONS MGRS.	94	0.5	17.83
13014	ADMINISTRATIVE SERVICES MANAGERS	63	0.3	9.02
15005	EDUCATION ADMINISTRATORS	230	1.3	8.42
15008	MEDICINE AND HEALTH SERVICES MANAGERS	105	0.6	21.19
15026	FOOD SERVICE AND LODGING MANAGERS	63	0.3	15.16
19005	GENERAL MANAGERS AND TOP EXECUTIVES	705	3.9	6.02
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	351	1.9	NA
20000	PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	6,414	35.5	NA
21114	ACCOUNTANTS AND AUDITORS	49	0.3	19.08
21199	ALL OTHER FINANCIAL SPECIALISTS	6	0.0	NA
21308	PURCHASING AGENTS -EXC. WHOLESALE, RETAIL, AND FARM	10	0.1	9.59
21508	EMPLOYMENT INTERVIEWERS	62	0.3	31.14
21511	PERSONNEL, TRAINING, & LABOR RELATIONS SPECIALISTS	77	0.4	12.21
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	232	1.3	NA
22199	ALL OTHER ENGINEERS	1	0.0	NA
24399	ALL OTHER LIFE SCIENTISTS	5	0.0	NA
25102	SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	13	0.1	39.57
25105	COMPUTER PROGRAMMERS	15	0.1	24.34
27108	PSYCHOLOGISTS	63	0.3	26.50
27199	ALL OTHER SOCIAL SCIENTISTS	2	0.0	NA
27302	SOCIAL WORKERS, MEDICAL AND PSYCHIATRIC	549	3.0	13.04
27305	SOCIAL WORKERS, EXC. MEDICAL AND PSYCHIATRIC	591	3.3	10.96
27308	SOCIAL SERVICE TECHNICIANS	734	4.1	13.42
27599	ALL OTHER RELIGIOUS WORKERS	15	0.1	NA
28399	ALL OTHER LEGAL ASSISTANTS AND TECHNICIANS	3	0.0	NA
31302	TEACHERS, PRESCHOOL AND KINDERGARTEN	2,124	11.8	8.81
31314	TEACHERS AND INSTRUCTORS, VOC. ED. AND TRAINING	220	1.2	9.42
31317	INSTRUCTORS, NONVOCATIONAL EDUCATION	275	1.5	16.36
31321	INSTRUCTORS AND COACHES, SPORTS	32	0.2	11.64
31399	ALL OTHER TEACHERS AND INSTRUCTORS	161	0.9	NA
31514	VOCATIONAL AND EDUCATIONAL COUNSELORS	186	1.0	16.09
31517	INSTRUCTIONAL COORDINATORS	26	0.1	23.12
32199	ALL OTHER HEALTH DIAGNOSING AND TREATING PRACTITIONERS	5	0.0	NA
32305	OCCUPATIONAL THERAPISTS	34	0.2	33.05
32308	PHYSICAL THERAPISTS	39	0.2	25.24
32314	SPEECH PATHOLOGISTS AND AUDIOLOGISTS	21	0.1	26.01
32399	ALL OTHER THERAPISTS	2	0.0	NA
32502	REGISTERED NURSES	295	1.6	9.88
32505	LICENSED PRACTICAL NURSES	175	1.0	10.16
32521	DIETICIANS AND NUTRITIONISTS	11	0.1	23.51
32523	DIETETIC TECHNICIANS	64	0.4	14.58
32911	MEDICAL RECORDS TECHNICIANS AND TECHNOLOGISTS	13	0.1	34.26

ARIZONA ESTIMATED EMPLOYMENT
Social Services
(SIC 83)

		EMPLOYMENT APRIL 1987	PERCENT DISTRIB.	REL. ERROR
32999	ALL OTHER HEALTH PROFESSIONALS, PARAPROF., & TECHS.	41	0.2	NA
34008	PUBLIC RELATIONS SPECIALISTS	80	0.4	26.58
39999	ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	183	1.0	NA
40000	**SALES AND RELATED OCCUPATIONS**	**208**	**1.2**	**NA**
41002	FIRST LINE SUPERVISORS AND MGR./SUPERVISORS, SALES	14	0.1	15.36
49023	CASHIERS	42	0.2	14.53
49026	NEWS VENDORS AND RELATED SALES	139	0.8	32.49
49999	ALL OTHER SALES AND RELATED WORKERS	13	0.1	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**2,420**	**13.4**	**NA**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	143	0.8	13.97
53502	WELFARE ELIGIBILITY WORKERS AND INTERVIEWERS	10	0.1	15.29
53905	TEACHER AIDES AND EDUCATIONAL ASSISTANTS, CLERICAL	612	3.4	19.82
55100	SECRETARIES	530	2.9	6.21
55305	RECEPTIONISTS AND INFORMATION CLERKS	162	0.9	11.00
55308	TYPISTS	69	0.4	10.07
55311	TYPISTS, WORD PROCESSING EQUIPMENT	32	0.2	18.02
55314	PERSONNEL CLERKS, EXCEPT PAYROLL	17	0.1	25.25
55332	INTERVIEWING CLERKS, EXC. PERSONNEL AND WELFARE	11	0.1	25.48
55338	BOOKKEEPING AND ACCOUNTING CLERKS	306	1.7	11.43
55341	PAYROLL AND TIMEKEEPING CLERKS	16	0.1	14.93
55347	GENERAL OFFICE CLERKS	258	1.4	12.96
56011	COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	13	0.1	27.46
56017	DATA ENTRY KEYERS, EXCEPT COMPOSING	44	0.2	16.00
56099	ALL OTHER OFFICE MACHINE OPERATORS	17	0.1	NA
57102	SWITCHBOARD OPERATORS	32	0.2	13.85
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	14	0.1	13.66
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	66	0.4	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	68	0.4	NA
60000	**SERVICE OCCUPATIONS**	**5,975**	**33.1**	**NA**
61008	HOUSEKEEPERS	34	0.2	24.20
61099	ALL OTHER SUPERVISORS AND MGR./SUPERS., SERVICE	102	0.6	NA
63047	GUARDS AND WATCH GUARDS	33	0.2	9.41
65008	WAITERS AND WAITRESSES	142	0.8	14.78
65026	COOKS, RESTAURANT	13	0.1	42.48
65028	COOKS, INSTITUTION OR CAFETERIA	492	2.7	8.00
65038	FOOD PREPARATION WORKERS	111	0.6	10.26
65099	ALL OTHER FOOD SERVICE WORKERS	20	0.1	NA
66008	NURSING AIDES, ORDERLIES, AND ATTENDANTS	440	2.4	6.64
66011	HOME HEALTH AIDES	888	4.9	18.89
66014	PSYCHIATRIC AIDES	67	0.4	24.41
66017	PHYSICAL THERAPY ASSISTANTS AND AIDES	100	0.6	16.38
66099	ALL OTHER HEALTH SERVICE WORKERS	28	0.2	NA
67002	MAIDS AND HOUSEKEEPING CLEANERS	214	1.2	11.57

ARIZONA ESTIMATED EMPLOYMENT
Social Services
(SIC 83)

		EMPLOYMENT APRIL 1987	PERCENT DISTRIB.	REL. ERROR
67005	JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	192	1.1	10.93
68014	AMUSEMENT AND RECREATION ATTENDANTS	23	0.1	7.46
68035	SOCIAL WELFARE SERVICE AIDES	591	3.3	7.01
68038	CHILD CARE WORKERS	2,259	12.5	9.49
69999	ALL OTHER SERVICE WORKERS	226	1.3	NA
70000	**AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS**	**62**	**0.3**	**NA**
79014	GARDENERS AND GROUNDSKEEPERS, EXC. FARM	56	0.3	6.65
79999	ALL OTHER AGRIC., FOREST., FISHING, AND REL.	6	0.0	NA
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**1,234**	**6.8**	**NA**
81000	FIRST LINE MGRS./SUPERS.- PRODUCTION/CONST./MAINT.	152	0.8	8.33
83099	ALL OTHER INSPECTORS, TESTERS, AND RELATED	13	0.1	NA
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	171	0.9	6.83
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	4	0.0	NA
87999	ALL OTHER CONSTR. AND EXTRACTIVE WRKRS. EXC. HELPERS	31	0.2	NA
89999	ALL OTHER PRECISION WORKERS	5	0.0	NA
92726	LAUNDRY AND DRYCLEANING MACHINE OPERATORS	23	0.1	4.72
93999	ALL OTHER HAND WORKERS	300	1.7	NA
97105	TRUCK DRIVERS, LIGHT- INCL. DELIVERY & ROUTE WRKRS.	117	0.6	14.56
97108	BUS DRIVERS	35	0.2	13.12
97111	BUS DRIVERS, SCHOOL	84	0.5	29.74
97199	ALL OTHER MOTOR VEHICLE OPERATORS	29	0.2	NA
97989	ALL OTHER TRANSP. AND MATRL. MOVING EQUIP. OPERATORS	3	0.0	NA
98999	ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	267	1.5	NA
	TOTAL OF ALL OCCUPATIONS	**18,070**	**100.00**	

ARIZONA ESTIMATED EMPLOYMENT
Museums, Art Galleries, and
Botanical and Zoological Gardens
(SIC 84)

		EMPLOYMENT APRIL 1987	PERCENT DISTRIB.	REL. ERROR
10000	**MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS**	**44**	**7.5**	**NA**
19005	GENERAL MANAGERS AND TOP EXECUTIVES	18	3.1	2.22
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	26	4.4	NA
20000	**PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL**	**126**	**21.5**	**NA**
21199	ALL OTHER FINANCIAL SPECIALISTS	2	0.3	NA
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	10	1.7	NA
24199	ALL OTHER PHYSICAL SCIENTISTS	2	0.3	NA
24399	ALL OTHER LIFE SCIENTISTS	2	0.3	NA
31299	ALL OTHER POSTSECONDARY TEACHERS	4	0.7	NA
31399	ALL OTHER TEACHERS AND INSTRUCTORS	6	1.0	NA
31511	CURATORS, ARCHIVISTS, MUSEUM TECHS., AND RESTORERS	67	11.4	2.94
32999	ALL OTHER HEALTH PROFESSIONALS, PARAPROF., AND TECHNS.	3	0.5	NA
39999	ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	30	5.1	NA
40000	**SALES AND RELATED OCCUPATIONS**	**58**	**9.9**	**NA**
49023	CASHIERS	39	6.7	0.81
49999	ALL OTHER SALES AND RELATED WORKERS	19	3.2	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**81**	**13.8**	**NA**
55100	SECRETARIES	28	4.8	3.84
56099	ALL OTHER OFFICE MACHINE OPERATORS	2	0.3	NA
57199	ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	7	1.2	NA
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTION	6	1.0	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	38	6.5	NA
60000	**SERVICE OCCUPATIONS**	**149**	**25.4**	**NA**
61000	FIRST LINE SUPERVISORS AND MGR./SUPERS., SERVICE	19	3.2	0.00
63047	GUARDS AND WATCH GUARDS	46	7.8	7.72
65000	FOOD AND BEVERAGE PREP. AND SERVICE OCCUPATIONS	46	7.8	3.45
67005	JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	24	4.1	0.58
68017	GUIDES	14	2.4	13.24
70000	**AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS**	**83**	**14.2**	**NA**
79014	GARDENERS AND GROUNDSKEEPERS, EXC. FARM	32	5.5	0.00
79999	ALL OTHER AGRIC., FOREST., FISH., AND RELATED	51	8.7	NA
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**45**	**7.7**	**NA**
81099	ALL OTHER FIRST LINE MGRS./SUPERS.- PROD./CONST./MAINT.	4	0.7	NA
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	28	4.8	2.92
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	3	0.5	NA
87899	ALL OTHER CONSTRUCTION TRADES WORKERS	2	0.3	NA
98999	ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	8	1.4	NA
	TOTAL OF ALL OCCUPATIONS	**586**	**100.00**	

ARIZONA ESTIMATED EMPLOYMENT
Membership Organizations
(SIC 86)

		EMPLOYMENT APRIL 1987	PERCENT DISTRIB.	REL. ERROR
10000	MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	1,811	11.3	NA
13002	FINANCIAL MANAGERS	139	0.9	16.20
13005	PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	22	0.1	32.23
13011	MARKETING, ADVERTISING, AND PUBLIC RELATIONS MGRS.	62	0.4	29.40
13014	ADMINISTRATIVE SERVICES MANAGERS	426	2.7	8.60
15005	EDUCATION ADMINISTRATORS	45	0.3	18.51
15008	MEDICINE AND HEALTH SERVICES MANAGERS	39	0.2	8.35
15026	FOOD SERVICE AND LODGING MANAGERS	37	0.2	16.80
19005	GENERAL MANAGERS AND TOP EXECUTIVES	572	3.6	7.55
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	469	2.9	NA
20000	PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	4,033	25.1	NA
21114	ACCOUNTANTS AND AUDITORS	190	1.2	8.66
21117	BUDGET ANALYSTS	15	0.1	3.82
21199	ALL OTHER FINANCIAL SPECIALISTS	22	0.1	NA
21308	PURCHASING AGENTS -EXC. WHOLESALE, RETAIL, AND FARM	15	0.1	13.82
21511	PERSONNEL, TRAINING, & LABOR RELATIONS SPECIALISTS	137	0.9	47.48
21911	COMPLIANCE OFFICERS AND ENFORCEMENT INSPECTORS	45	0.3	20.33
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	208	1.3	NA
22199	ALL OTHER ENGINEERS	10	0.1	NA
22500	ENGINEERING AND REL. TECHNICIANS AND TECHNOLOGISTS	91	0.6	4.47
24100	PHYSICAL SCIENTISTS	22	0.1	12.08
24300	LIFE SCIENTISTS	26	0.2	5.89
24500	PHYSICAL & LIFE SCIENCE TECHNICIANS & TECHNOLOGISTS	42	0.3	20.74
25105	COMPUTER PROGRAMMERS	16	0.1	10.49
25319	ALL OTHER MATHEMATICAL SCIENTISTS	4	0.0	NA
27102	ECONOMISTS, INCL. MARKET RESEARCH	22	0.1	33.03
27199	ALL OTHER SOCIAL SCIENTISTS	88	0.5	NA
27302	SOCIAL WORKERS, MEDICAL AND PSYCHIATRIC	133	0.8	6.35
27305	SOCIAL WORKERS, EXC. MEDICAL AND PSYCHIATRIC	211	1.3	15.62
27308	SOCIAL SERVICE TECHNICIANS	160	1.0	3.77
27311	RECREATION WORKERS	362	2.3	28.64
27502	CLERGY	21	0.1	0.00
27505	DIRECTORS, RELIGIOUS ACTIVITIES	27	0.2	14.72
27599	ALL OTHER RELIGIOUS WORKERS	28	0.2	NA
28108	LAWYERS	115	0.7	8.91
28305	PARALEGAL PERSONNEL	21	0.1	17.65
28399	ALL OTHER LEGAL ASSISTANTS AND TECHNICIANS	26	0.2	NA
31302	TEACHERS, PRESCHOOL AND KINDERGARTEN	61	0.4	8.73
31305	TEACHERS, ELEMENTARY	17	0.1	5.76
31314	TEACHERS AND INSTRUCTORS, VOC. ED. AND TRAINING	28	0.2	17.39
31321	INSTRUCTORS AND COACHES, SPORTS	148	0.9	22.49
31399	ALL OTHER TEACHERS AND INSTRUCTORS	145	0.9	NA
31502	LIBRARIANS, PROFESSIONAL	17	0.1	13.07
31514	VOCATIONAL AND EDUCATIONAL COUNSELORS	34	0.2	4.36
31517	INSTRUCTIONAL COORDINATORS	39	0.2	3.82

ARIZONA ESTIMATED EMPLOYMENT
Membership Organizations
(SIC 86)

		EMPLOYMENT APRIL 1987	PERCENT DISTRIB.	REL. ERROR
32399	ALL OTHER THERAPISTS	1	0.0	NA
32502	REGISTERED NURSES	16	0.1	7.88
32521	DIETICIANS AND NUTRITIONISTS	28	0.2	4.16
32523	DIETETIC TECHNICIANS	177	1.1	14.88
32999	ALL OTHER HEALTH PROFESSIONALS, PARAPROF., & TECHS.	367	2.3	NA
34002	WRITERS AND EDITORS	22	0.1	33.87
34008	PUBLIC RELATIONS SPECIALISTS	99	0.6	25.52
39999	ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	777	4.8	NA
40000	**SALES AND RELATED OCCUPATIONS**	**377**	**2.3**	**NA**
41002	FIRST LINE MGRS./SUPERS.- SALES AND RELATED	79	0.5	22.11
43099	ALL OTHER SALES REPS. AND SALES PERSONS, SERVICE	23	0.1	NA
49023	CASHIERS	93	0.6	16.06
49999	ALL OTHER SALES AND RELATED WORKERS	182	1.1	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**3,505**	**21.8**	**NA**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	187	1.2	16.02
53502	WELFARE ELIGIBILITY WORKERS AND INTERVIEWERS	26	0.2	22.09
53802	TRAVEL CLERKS	67	0.4	24.52
53905	TEACHER AIDES AND EDUCATIONAL ASSISTANTS, CLERICAL	115	0.7	12.77
55100	SECRETARIES	1,050	6.5	5.40
55302	STENOGRAPHERS	22	0.1	3.66
55305	RECEPTIONISTS AND INFORMATION CLERKS	98	0.6	20.69
55308	TYPISTS	268	1.7	3.72
55311	TYPISTS, WORD PROCESSING EQUIPMENT	41	0.3	30.79
55321	FILE CLERKS	86	0.5	3.51
55332	INTERVIEWING CLERKS, EXC. PERSONNEL AND WELFARE	109	0.7	47.51
55338	BOOKKEEPING AND ACCOUNTING CLERKS	315	2.0	9.24
55341	PAYROLL AND TIMEKEEPING CLERKS	13	0.1	33.20
55344	BILLING, COST AND RATE CLERKS	17	0.1	17.55
55347	GENERAL OFFICE CLERKS	241	1.5	12.97
56008	MAIL MACHINE OPERATORS, PREPARATION AND HANDLING	16	0.1	45.46
56011	COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	18	0.1	2.83
56017	DATA ENTRY KEYERS, EXCEPT COMPOSING	59	0.4	33.99
56099	ALL OTHER OFFICE MACHINE OPERATORS	10	0.1	NA
57102	SWITCHBOARD OPERATORS	31	0.2	29.26
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	56	0.3	1.73
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	46	0.3	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	614	3.8	NA
60000	**SERVICE OCCUPATIONS**	**3,725**	**23.2**	**NA**
61008	HOUSEKEEPERS	17	0.1	17.68
61099	ALL OTHER SUPERVISORS AND MGR./SUPERS., SERVICE	172	1.1	NA
63047	GUARDS AND WATCH GUARDS	325	2.0	25.4
65002	HOSTS AND HOSTESSES	15	0.1	20.6
65005	BARTENDERS	541	3.4	22.66

ARIZONA ESTIMATED EMPLOYMENT
Membership Organizations
(SIC 86)

		EMPLOYMENT APRIL 1987	PERCENT DISTRIB.	REL. ERROR
65008	WAITERS AND WAITRESSES	319	2.0	16.34
65014	DINING ROOM AND CAFETERIA ATTENDANTS	142	0.9	22.31
65017	COUNTER ATTENDANTS, FOOD	13	0.1	44.24
65026	COOKS, RESTAURANT	77	0.5	15.76
65028	COOKS, INSTITUTION OR CAFETERIA	173	1.1	5.46
65038	FOOD PREPARATION WORKERS	205	1.3	10.78
65099	ALL OTHER FOOD SERVICE WORKERS	16	0.1	NA
66008	NURSING AIDES, ORDERLIES, AND ATTENDANTS	23	0.1	7.81
66011	HOME HEALTH AIDES	14	0.1	16.35
66099	ALL OTHER HEALTH SERVICE WORKERS	28	0.2	NA
67002	MAIDS AND HOUSEKEEPING CLEANERS	58	0.4	8.43
67005	JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	331	2.1	11.04
68014	AMUSEMENT AND RECREATION ATTENDANTS	163	1.0	13.69
68035	SOCIAL WELFARE SERVICE AIDES	27	0.2	28.82
68038	CHILD CARE WORKERS	523	3.3	27.06
69999	ALL OTHER SERVICE WORKERS	543	3.4	NA
70000	**AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS**	**663**	**4.1**	**NA**
79014	GARDENERS AND GROUNDSKEEPERS, EXC. FARM	316	2.0	34.47
79017	ANIMAL CARETAKERS, EXC. FARM	76	0.5	23.36
79999	ALL OTHER AGRIC., FOREST., FISH., AND RELATED	271	1.7	NA
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**1,946**	**12.1**	**NA**
81000	FIRST LINE MGRS./SUPERS.- PRODUCTION/CONST./MAINT.	132	0.8	10.56
83000	INSPECTORS AND RELATED OCCUPATIONS	14	0.1	0.00
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	447	2.8	12.31
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	241	1.5	NA
87102	CARPENTERS	34	0.2	3.45
87202	ELECTRICIANS	30	0.2	27.43
87502	PLUMBERS AND PIPEFITTERS	24	0.1	0.41
87999	ALL OTHER CONSTR. & EXTRACTIVE WRKRS. EXC. HELPERS	90	0.6	NA
89000	PRECISION PRODUCTION OCCUPATIONS	86	0.5	3.40
92997	ALL OTHER MACHINE SETTERS AND SET-UP OPERATORS	7	0.0	NA
92998	ALL OTHER MACHINE OPERATORS AND TENDERS	27	0.2	NA
93999	ALL OTHER HAND WORKERS	9	0.1	NA
95099	ALL OTHER PLANT AND SYSTEM OPERATORS	8	0.0	NA
97105	TRUCK DRIVERS, LIGHT- INCL. DELIVERY & ROUTE WRKRS.	51	0.3	16.13
97108	BUS DRIVERS	87	0.5	9.29
97111	BUS DRIVERS, SCHOOL	40	0.2	6.41
97199	ALL OTHER MOTOR VEHICLE OPERATORS	35	0.2	NA
97989	ALL OTHER TRANSP. AND MATRL. MOVING EQUIP. OPERATORS	90	0.6	NA
98700	FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	70	0.4	13.50
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	424	2.6	NA
	TOTAL OF ALL OCCUPATIONS	**16,060**	**100.00**	

ARIZONA ESTIMATED EMPLOYMENT
Services, Not Elsewhere Classified
(SIC 89)

		EMPLOYMENT JUNE 1987	PERCENT DISTRIB.	REL. ERROR
10000	**MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS**	**1,864**	**9.4**	**NA**
13002	FINANCIAL MANAGERS	176	0.9	29.93
13017	ENGINEERING, MATHEMATICAL AND NATURAL SCIENCES MGRS.	269	1.4	34.74
19005	GENERAL MANAGERS AND TOP EXECUTIVES	1,000	5.0	16.67
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	419	2.1	NA
20000	**PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL**	**12,321**	**61.9**	**NA**
21111	TAX PREPARERS	403	2.0	35.31
21114	ACCOUNTANTS AND AUDITORS	2,684	13.5	9.40
21199	ALL OTHER FINANCIAL SPECIALISTS	1	0.0	NA
21908	CONSTRUCTION AND BUILDING INSPECTORS	45	0.2	48.17
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	101	0.5	NA
22121	CIVIL ENGINEERS, INCLUDING TRAFFIC	993	5.0	30.37
22126	ELECTRICAL AND ELECTRONIC ENGINEERS	289	1.5	45.02
22199	ALL OTHER ENGINEERS	293	1.5	NA
22302	ARCHITECTS, EXCEPT LANDSCAPE AND MARINE	1,602	8.0	25.33
22308	LANDSCAPE ARCHITECTS	181	0.9	41.05
22311	SURVEYING AND MAPPING SCIENTISTS	462	2.3	25.54
22502	CIVIL ENGINEERING TECHNICIANS AND TECHNOLOGISTS	559	2.8	32.07
22505	ELECTRICAL & ELECTRONIC ENGINEERING TECHS.	176	0.9	12.36
22514	DRAFTERS	2,463	12.4	15.14
22521	SURVEYING AND MAPPING TECHNICIANS AND TECHNOLOGISTS	773	3.9	25.97
22599	ALL OTHER ENGINEERING AND RELATED TECHS.	145	0.7	NA
24199	ALL OTHER PHYSICAL SCIENTISTS	187	0.9	NA
24399	ALL OTHER LIFE SCIENTISTS	40	0.2	NA
24599	ALL OTHER PHYSICAL AND LIFE SCIENCE TECHS.	56	0.3	NA
25105	COMPUTER PROGRAMMERS	90	0.5	44.69
25319	ALL OTHER MATHEMATICAL SCIENTISTS	30	0.2	NA
27199	ALL OTHER SOCIAL SCIENTISTS	34	0.2	NA
28399	ALL OTHER LEGAL ASSISTANTS AND TECHNICIANS, EXC. CLERICAL	2	0.0	NA
32999	ALL OTHER HEALTH PROFESSIONALS, PARAPROF., & TECHNICIANS	48	0.2	NA
34005	TECHNICAL WRITERS	47	0.2	37.30
34041	INTERIOR DESIGNERS	265	1.3	48.59
39999	ALL OTHER PROFESSIONAL, PARAPROF., AND TECHNICAL	352	1.8	NA
40000	**SALES AND RELATED OCCUPATIONS**	**81**	**0.4**	**NA**
43099	ALL OTHER SALES REPS. AND SALESPERSONS, SERVICE	20	0.1	NA
49999	ALL OTHER SALES AND RELATED WORKERS	61	0.3	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**4,607**	**23.1**	**NA**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	252	1.3	24.81
55100	SECRETARIES	1,413	7.1	11.48
55305	RECEPTIONISTS AND INFORMATION CLERKS	222	1.1	22.96
55308	TYPISTS	57	0.3	33.63
55311	TYPISTS, WORD PROCESSING EQUIPMENT	335	1.7	18.50
55314	PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	17	0.1	47.43

ARIZONA ESTIMATED EMPLOYMENT
Services, Not Elsewhere Classified
(SIC 89)

		EMPLOYMENT JUNE 1987	PERCENT DISTRIB.	REL. ERROR
55338	BOOKKEEPING AND ACCOUNTING CLERKS	981	4.9	18.67
55344	BILLING, COST AND RATE CLERKS	21	0.1	42.59
55347	GENERAL OFFICE CLERKS	490	2.5	19.82
56005	DUPLICATING MACHINE OPERATORS	12	0.1	48.86
56011	COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	143	0.7	41.52
56017	DATA ENTRY KEYERS, EXCEPT COMPOSING	426	2.1	37.29
56099	ALL OTHER OFFICE MACHINE OPERATORS	12	0.1	NA
57102	SWITCHBOARD OPERATORS	43	0.2	37.40
57302	MAIL CLERKS, EXC. MAIL MACHINE OPERATORS	11	0.1	24.51
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	36	0.2	4.59
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	7	0.0	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	129	0.6	NA
60000	**SERVICE OCCUPATIONS**	**325**	**1.6**	**NA**
61099	ALL OTHER SUPERVISORS AND MGR./SUPERS., SERVICE	1	0.0	NA
63099	ALL OTHER PROTECTIVE SERVICE WORKERS	6	0.0	NA
65099	ALL OTHER FOOD SERVICE WORKERS	179	0.9	NA
67005	JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	135	0.7	21.21
69999	ALL OTHER SERVICE WORKERS	4	0.0	NA
70000	**AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS**	**7**	**0.0**	**NA**
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**707**	**3.6**	**NA**
81099	ALL OTHER FIRST LINE MGRS./SUPERS.- PROD./CONST./MAINT.	5	0.0	NA
83099	ALL OTHER INSPECTORS, TESTERS, AND REL. OCCUPATIONS	34	0.2	NA
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	121	0.6	NA
87899	ALL OTHER CONSTRUCTION TRADES WORKERS	101	0.5	NA
89199	ALL OTHER PRECISION METAL WORKERS	5	0.0	NA
89999	ALL OTHER PRECISION WORKERS	241	1.2	NA
91000	MACHINE SETTERS, OPERATORS, AND TENDERS	55	0.3	35.97
93914	WELDERS AND CUTTERS	37	0.2	20.39
93999	ALL OTHER HAND WORKERS	44	0.2	NA
97199	ALL OTHER MOTOR VEHICLE OPERATORS	1	0.0	NA
98999	ALL OTHER HELPERS, LABORERS, AND MATERIAL MOVERS, HAND	63	0.3	NA
	TOTAL OF ALL OCCUPATIONS	**19,912**	**100.00**	

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ARIZONA
OCCUPATIONAL EMPLOYMENT

IN

TRANSPORTATION, COMMUNICATIONS, PUBLIC UTILITIES

TRADE

EDUCATIONAL SERVICES

GOVERNMENT

1990

ARIZONA DEPARTMENT OF ECONOMIC SECURITY
Research Administration - 733A
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INTRODUCTION

The material herein was developed by the Occupational Employment Statistics (OES) Program which surveys industries in Arizona to determine their occupational composition. A federal/state cooperative with the U.S. Department of Labor, the program is designed to determine employment in over 700 occupations in Arizona. Based on surveys, which require the cooperation of the State's business community, current employment in the various occupations is estimated.

This report presents the results of the 1988 survey of four major industry groups: transportation, communications, and public utilities; trade; government; and educational services. Occupational employment data which meet publication criteria are presented for 2-digit Standard Industrial Classification (SIC) codes.[1] For total Arizona wage and salary employment (across all industries except agriculture) the reader is referred to the "Occupational Employment Forecasts" released annually by the Department of Economic Security's Research Administration. The "Forecasts" also provide projected employment and demand data.

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[1]Office of Management and Budget, "Standard Industrial Classification Manual," 1972 Edition.

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METHODOLOGY

In its conduct of the Occupational Employment Statistics (OES) program, the Arizona Department of Economic Security surveys a sample of nonfarm establishments for the purpose of developing estimates of total wage and salary employment by occupation and industry. Employment estimates are currently developed for approximately 750 occupations.

Sample members are selected from all establishments reporting to the State's Unemployment Insurance Program. Establishments are stratified by industry and size and, in accordance with Bureau of Labor Statistics guidelines, a sample is selected for each industry and size class. All firms employing 250 or more are included in the sample.

Using a questionnaire designed by the Bureau of Labor Statistics, employment data are requested for the pay period which includes the 12th day of either April, May, or June. Although considered a mail survey, respondents are encouraged to telephone a toll-free number to provide requested information and firms employing more than 100 generally receive a personal visit. Extensive follow-up of nonrespondents is undertaken to achieve high response rates that have, in recent years, averaged over 94 percent.

In the 1988 survey of transportation, communication, and public utilities; trade; government; and educational services, 4,288 firms in a sample of 4,830 provided the requested information. This 89 percent response rate represented 93 percent of the employment sampled.

TECHNICAL NOTES

The employment data reflect workers earning a wage or salary and excludes self-employed, unpaid family, and agricultural workers. Wage and salary employment represents more than 90 percent of Arizona's workers; however, the exclusion of workers not earning a wage or salary impacts certain occupations more than others. For example, employment of those earning only a commission (such as real estate sales agents) is not represented.

Employment data reflect workers in both full- and part-time jobs and does not refer to the number of employed persons (who sometimes hold more than one job).

All sample surveys are subject to both sampling and nonsampling errors. A sampling error is the difference between the estimated data derived from a sample and the data which would result from a survey of the universe. Unless the universe is surveyed, sampling error will always result.

In this report, the relative errors shown for each detailed occupation are at a 68 percent confidence level; in other words, the chances are two out of three that the true population from a census would fall within the percent error shown. For example, if the relative error for 100 general office clerks is 15 percent, the chances are two out of three that the true employment is between 85 and 115.

Data for occupations with a relative error of greater than 50 percent are added to the appropriate residual or "All Other" category.

Survey results are also subject to nonsampling errors which can result from faulty questionnaire design, improperly collected data, and other nonmeasurable factors. Every effort is made to minimize such errors.

To eliminate the possible disclosure of confidential employer information in the following tables, occupational data have been added to the appropriate "All Other" or residual category if: less than three firms reported a single occupation; one firm reported more than 50 percent of the occupational estimate; two firms combined reported more than 75 percent of the occupational estimate. Data for occupations with employment of less than ten are also included in the appropriate residual category.

Occupational employment data for the federal government are not subject to confidentiality restrictions. These data, provided by the U.S. Department of Labor, were taken from the Central Personnel Management records and from the United States Postal Service information system.

Aside from civilians working in the military, employment related to national security is not included in the government data. Also excluded is employment in hospitals operated by state and local governments.

Data are not published for the following industries which have relatively small employment levels or are dominated by one or two firms: railroad transportation; water transportation; pipe lines, except natural gas; and the wholesalers of hardware and plumbing and heating equipment and supplies.

OCCUPATIONAL EMPLOYMENT

IN

TRANSPORTATION COMMUNICATIONS & PUBLIC UTILITIES

ARIZONA ESTIMATED EMPLOYMENT
LOCAL TRANSIT AND INTERURBAN HIGHWAY
PASSENGER TRANSPORTATION
(SIC 41)

		EMPLOYMENT MAY 1988	PERCENT DISTRIB.	REL. ERROR
10000	**MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS**	**221**	**5.3**	**NA**
15023	COMMUNICATIONS, TRANSPORT. & UTIL. OPERATIONS. MGRS.	112	2.7	35.22
19005	GENERAL MANAGERS AND TOP EXECUTIVES	78	1.9	7.61
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	31	0.7	NA
20000	**PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL**	**509**	**12.1**	**NA**
21114	ACCOUNTANTS AND AUDITORS	10	0.2	31.92
21199	ALL OTHER FINANCIAL SPECIALISTS	1	0.0	NA
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	20	0.5	NA
32508	EMERGENCY MEDICAL TECHNICIANS	444	10.6	20.83
32999	ALL OTHER HEALTH PROFESSIONALS, PARAPROFS., & TECHS.	1	0.0	NA
34008	PUBLIC RELATIONS SPECIALISTS	13	0.3	13.52
39999	ALL OTHER PROFESSIONAL, PARAPROFS., AND TECHNICAL	20	0.5	NA
40000	**SALES AND RELATED OCCUPATIONS**	**39**	**0.9**	**NA**
41002	FIRST LINE SUPERVISORS, SALES	17	0.4	5.61
43017	SALES AGENTS, SELECTED BUSINESS SERVICES	12	0.3	18.76
49023	CASHIERS	10	0.2	18.00
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**642**	**15.3**	**NA**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	32	0.8	11.72
53805	RESERVATION AND TRANSPORTATION TICKET AGENTS	58	1.4	6.99
55100	SECRETARIES	37	0.9	15.96
55305	RECEPTIONISTS AND INFORMATION CLERKS	48	1.1	8.79
55338	BOOKKEEPING AND ACCOUNTING CLERKS	53	1.3	10.22
55344	BILLING, COST AND RATE CLERKS	33	0.8	8.86
55347	GENERAL OFFICE CLERKS	84	2.0	8.80
56099	ALL OTHER OFFICE MACHINE OPERATORS	12	0.3	NA
57102	SWITCHBOARD OPERATORS	12	0.3	15.67
58002	DISPATCHERS, POLICE, FIRE, AND AMBULANCE	58	1.4	24.88
58005	DISPATCHERS, EXCEPT POLICE, FIRE, AND AMBULANCE	133	3.2	12.58
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	18	0.4	0.78
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	20	0.5	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	44	1.0	NA
60000	**SERVICE OCCUPATIONS**	**244**	**5.8**	**NA**
61099	ALL OTHER SERVICE SUPERVISORS AND MGR./SUPERVISORS	1	0.0	NA
65099	ALL OTHER FOOD SERVICE WORKERS	22	0.5	NA
66099	ALL OTHER HEALTH SERVICE WORKERS	99	2.4	NA
67000	CLEANING AND BUILDING SERVICE OCCUPATIONS	18	0.4	13.88
69999	ALL OTHER SERVICE WORKERS	104	2.5	NA
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**2,545**	**60.6**	**NA**
81011	FIRST LINE SUPERS. -TRANSP. AND MATRL. MOVING MACH.	42	1.0	5.91
81099	ALL OTHER FIRST LINE SUPERS. -PROD./CONST./MAINT.	21	0.5	NA

ARIZONA ESTIMATED EMPLOYMENT
LOCAL TRANSIT AND INTERURBAN HIGHWAY PASSENGER TRANSPORTATION
(SIC 41)

		EMPLOYMENT MAY 1988	PERCENT DISTRIB.	REL. ERROR
83099	ALL OTHER INSPECTORS, TESTERS, AND REL. OCCUPATIONS	1	0.0	NA
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	12	0.3	12.99
85302	AUTOMOTIVE MECHANICS	47	1.1	15.97
85311	BUS AND TRUCK MECHS. AND DIESEL ENGINE SPECIALISTS	159	3.8	3.66
85599	ALL OTHER COMMUNICATIONS EQUIPMENT MECHS./INSTALL./REP	1	0.0	NA
85799	ALL OTHER ELEC. & ELECTR. EQUIP. MECH./INSTALL./REP.	5	0.1	NA
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	14	0.3	NA
87899	ALL OTHER CONSTRUCTION TRADES WORKERS	1	0.0	NA
93999	ALL OTHER HAND WORKERS	3	0.1	NA
97108	BUS DRIVERS	1,423	33.9	5.74
97114	TAXI DRIVERS AND CHAUFFEURS	474	11.3	11.33
97199	ALL OTHER MOTOR VEHICLE OPERATORS	218	5.2	NA
97399	ALL OTHER RAIL VEHICLE OPERATIVES AND CONTROLLERS	9	0.2	NA
97899	ALL OTHER TRANSPORTATION AND RELATED WORKERS	51	1.2	NA
97989	ALL OTHER TRANSP. AND MATRL. MOVING EQUIP. OPERATORS	5	0.1	NA
98905	VEHICLE WASHERS AND EQUIPMENT CLEANERS	55	1.3	11.89
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	4	0.1	NA
	TOTAL OF ALL OCCUPATIONS	4,200	100.0	

ARIZONA ESTIMATED EMPLOYMENT
MOTOR FREIGHT TRANSPORTATION AND WAREHOUSING
(SIC 42)

		EMPLOYMENT MAY 1988	PERCENT DISTRIB.	REL. ERROR
10000	**MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS**	**838**	**5.7**	**NA**
13002	FINANCIAL MANAGERS	31	0.2	39.98
13005	PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	22	0.2	24.27
13014	ADMINISTRATIVE SERVICES MANAGERS	10	0.1	36.13
15023	COMMUNICATIONS, TRANSPORT. & UTIL. OPERATIONS. MGRS.	414	2.8	21.21
19005	GENERAL MANAGERS AND TOP EXECUTIVES	312	2.1	14.39
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	49	0.3	NA
20000	**PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL**	**61**	**0.4**	**NA**
21199	ALL OTHER FINANCIAL SPECIALISTS	30	0.2	NA
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	17	0.1	NA
22199	ALL OTHER ENGINEERS	3	0.0	NA
39999	ALL OTHER PROFESSIONAL, PARAPROFS., AND TECHNICAL	11	0.1	NA
40000	**SALES AND RELATED OCCUPATIONS**	**544**	**3.7**	**NA**
43017	SALES AGENTS, SELECTED BUSINESS SERVICES	325	2.2	30.10
49023	CASHIERS	21	0.1	28.32
49999	ALL OTHER SALES AND RELATED WORKERS	198	1.4	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**2,351**	**16.1**	**NA**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	151	1.0	16.90
53123	ADJUSTMENT CLERKS	78	0.5	24.45
55100	SECRETARIES	173	1.2	37.46
55305	RECEPTIONISTS AND INFORMATION CLERKS	95	0.6	19.44
55314	PERSONNEL CLERKS	12	0.1	8.81
55338	BOOKKEEPING AND ACCOUNTING CLERKS	536	3.7	14.60
55341	PAYROLL AND TIMEKEEPING CLERKS	28	0.2	35.10
55344	BILLING, COST AND RATE CLERKS	168	1.1	28.51
55347	GENERAL OFFICE CLERKS	542	3.7	19.77
56017	DATA ENTRY KEYERS	56	0.4	NA
56099	ALL OTHER OFFICE MACHINE OPERATORS	26	0.2	NA
57102	SWITCHBOARD OPERATORS	13	0.1	24.54
58005	DISPATCHERS, EXCEPT POLICE, FIRE, AND AMBULANCE	248	1.7	24.54
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	63	0.4	26.14
58028	SHIPPING, RECEIVING, AND TRAFFIC CLERKS	119	0.8	27.49
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	27	0.2	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	16	0.1	NA
60000	**SERVICE OCCUPATIONS**	**46**	**0.3**	**NA**
63099	ALL OTHER PROTECTIVE SERVICE WORKERS	18	0.1	NA
67099	ALL OTHER CLEANING/BLDG. SERVICE, EXC. PRIV. HOUSE	28	0.2	NA
70000	**AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS**	**48**	**0.3**	**NA**

ARIZONA ESTIMATED EMPLOYMENT
MOTOR FREIGHT TRANSPORTATION AND WAREHOUSING
(SIC 42)

		EMPLOYMENT MAY 1988	PERCENT DISTRIB.	REL. ERROR
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**10,744**	**73.4**	**NA**
81011	FIRST LINE SUPERS. -TRANSP. AND MATRL. MOVING MACH.	250	1.7	22.90
81017	FIRST LINE SUPERS. -HELPERS/LABORERS/MOVERS, HAND	108	0.7	30.11
81099	ALL OTHER FIRST LINE SUPERS. -PROD./CONST./MAINT.	113	0.8	NA
83099	ALL OTHER INSPECTORS, TESTERS, AND REL. OCCUPATIONS	9	0.1	NA
85302	AUTOMOTIVE MECHANICS	58	0.4	48.07
85311	BUS AND TRUCK MECHS. AND DIESEL ENGINE SPECIALISTS	357	2.4	18.35
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	210	1.4	NA
87899	ALL OTHER CONSTRUCTION TRADES WORKERS	2	0.0	NA
87999	ALL OTHER CONSTR. & EXTRACTIVE WRKRS. EXC. HELPERS	4	0.0	NA
93999	ALL OTHER HAND WORKERS	7	0.0	NA
95099	ALL OTHER PLANT AND SYSTEM OPERATORS	2	0.0	NA
97102	TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	5,402	36.9	8.82
97105	TRUCK DRIVERS, LIGHT -INCL. DELIVERY & ROUTE WRKRS.	1,563	10.7	19.84
97899	ALL OTHER TRANSPORTATION AND RELATED WORKERS	79	0.5	NA
97947	INDUSTRIAL TRUCK AND TRACTOR OPERATORS	224	1.5	21.30
97999	ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	17	0.1	NA
98102	MECHANIC AND REPAIRER HELPERS	107	0.7	37.77
98705	REFUSE COLLECTORS	214	1.5	40.85
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	2,018	13.8	NA
	TOTAL OF ALL OCCUPATIONS	**14,632**	**100.0**	

ARIZONA ESTIMATED EMPLOYMENT
AIR TRANSPORTATION
(SIC 45)

		EMPLOYMENT JUNE 1988	PERCENT DISTRIB.	REL. ERROR
10000	**MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS**	**551**	**4.3**	**NA**
13005	PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	18	0.1	25.59
13008	PURCHASING MANAGERS	11	0.1	37.94
13011	MARKETING, ADVERTISING, AND PUBLIC RELATIONS MGRS.	26	0.2	17.52
15023	COMMUNICATIONS, TRANSPORT. & UTIL. OPERATIONS. MGRS.	109	0.9	14.67
19005	GENERAL MANAGERS AND TOP EXECUTIVES	346	2.7	8.79
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	41	0.3	NA
20000	**PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL**	**650**	**5.1**	**NA**
21114	ACCOUNTANTS AND AUDITORS	30	0.2	19.44
21199	ALL OTHER FINANCIAL SPECIALISTS	38	0.3	NA
21308	PURCHASING AGENTS -EXC. WHOLESALE, RETAIL, AND FARM	61	0.5	8.74
21511	PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	65	0.5	7.30
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	26	0.2	NA
22199	ALL OTHER ENGINEERS	56	0.4	NA
22599	ALL OTHER ENGINEERING AND RELATED TECHNICIANS	14	0.1	NA
25102	SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	39	0.3	7.35
25105	COMPUTER PROGRAMMERS	25	0.2	7.28
25302	OPERATIONS AND SYSTEMS ANALYSTS	40	0.3	7.29
31314	TEACHERS AND INSTRUCTORS, VOCATIONAL EDUCATION	152	1.2	23.06
39002	AIRPLANE DISPATCHERS AND WINDOW TRIMMERS	56	0.4	6.08
39999	ALL OTHER PROFESSIONAL, PARAPROFS., AND TECHNICAL	48	0.4	NA
40000	**SALES AND RELATED OCCUPATIONS**	**342**	**2.7**	**NA**
41002	FIRST LINE SUPERVISORS, SALES	28	0.2	15.33
43017	SALES AGENTS, SELECTED BUSINESS SERVICES	88	0.7	10.62
43021	TRAVEL AGENTS	169	1.3	6.17
49999	ALL OTHER SALES AND RELATED WORKERS	57	0.4	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**3,146**	**24.6**	**NA**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	133	1.0	11.41
53123	ADJUSTMENT CLERKS	202	1.6	3.85
53802	TRAVEL CLERKS	101	0.8	20.17
53805	RESERVATION AND TRANSPORTATION TICKET AGENTS	1,277	10.0	6.53
55100	SECRETARIES	265	2.1	8.16
55305	RECEPTIONISTS AND INFORMATION CLERKS	19	0.1	23.26
55308	TYPISTS	14	0.1	12.65
55314	PERSONNEL CLERKS, EXCEPT PAYROLL	23	0.2	7.18
55321	FILE CLERKS	12	0.1	34.03
55338	BOOKKEEPING AND ACCOUNTING CLERKS	64	0.5	19.62
55341	PAYROLL AND TIMEKEEPING CLERKS	16	0.1	9.20
55347	GENERAL OFFICE CLERKS	84	0.7	15.41
56017	DATA ENTRY KEYERS, EXCEPT COMPOSING	15	0.1	11.60
56099	ALL OTHER OFFICE MACHINE OPERATORS	13	0.1	NA
57199	ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	7	0.1	NA
58005	DISPATCHERS, EXCEPT POLICE, FIRE, AND AMBULANCE	68	0.5	13.34

ARIZONA ESTIMATED EMPLOYMENT
AIR TRANSPORTATION
(SIC 45)

		EMPLOYMENT JUNE 1988	PERCENT DISTRIB.	REL. ERROR
58008	PRODUCTION, PLANNING, AND EXPEDITING CLERKS	121	0.9	11.05
58011	TRANSPORTATION AGENTS	533	4.2	10.83
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	89	0.7	18.34
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	60	0.5	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	30	0.2	NA
60000	**SERVICE OCCUPATIONS**	**3,137**	**24.5**	**NA**
61000	FIRST LINE SUPERVISORS AND MGR./SUPERS. -SERVICE	82	0.6	48.41
63047	GUARDS AND WATCH GUARDS	246	1.9	49.80
65000	FOOD AND BEVERAGE SERVICE OCCUPATIONS	80	0.6	13.03
67000	CLEANING AND BUILDING SERVICE OCCUPATIONS	94	0.7	24.61
68023	BAGGAGE PORTERS AND BELLHOPS	387	3.0	45.67
69999	ALL OTHER SERVICE WORKERS	2,248	17.6	NA
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**4,959**	**38.8**	**NA**
81002	FIRST LINE SUPERS. -MECHS., INSTALLERS, & REPAIRERS	144	1.1	31.90
81011	FIRST LINE SUPERS. -TRANSP. AND MATRL. MOVING MACH.	50	0.4	4.61
81099	ALL OTHER FIRST LINE SUPERS. -PROD./CONST./MAINT.	14	0.1	NA
83008	TRANSPORTATION INSPECTORS	73	0.6	27.86
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	25	0.2	16.42
85302	AUTOMOTIVE MECHANICS	48	0.4	17.28
85323	AIRCRAFT MECHANICS	1,411	11.0	15.90
85326	AIRCRAFT ENGINE SPECIALISTS	104	0.8	25.44
85717	ELECTRONICS REPAIRERS, COMMERCIAL AND INDUST. EQUIP.	38	0.3	28.00
85726	ELECTRICAL INSTALLERS AND REPAIRERS, TRANSP. EQUIP.	22	0.2	22.10
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	84	0.7	NA
87899	ALL OTHER CONSTRUCTION TRADES WORKERS	11	0.1	NA
87999	ALL OTHER CONSTR. & EXTRACTIVE WRKRS. EXC. HELPERS	23	0.2	NA
89199	ALL OTHER PRECISION METAL WORKERS	10	0.1	NA
92947	PAINTERS, TRANSPORTATION EQUIPMENT	89	0.7	37.97
92998	ALL OTHER MACHINE OPERATORS AND TENDERS	1	0.0	NA
93914	WELDERS AND CUTTERS	13	0.1	22.70
93999	ALL OTHER HAND WORKERS	21	0.2	NA
97105	TRUCK DRIVERS, LIGHT -INCL. DELIVERY & ROUTE WRKRS.	458	3.6	17.34
97702	AIRCRAFT PILOTS AND FLIGHT ENGINEERS	1,294	10.1	3.03
97899	ALL OTHER TRANSPORTATION AND RELATED WORKERS	224	1.8	NA
97999	ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	10	0.1	NA
98905	VEHICLE WASHERS AND EQUIPMENT CLEANERS	295	2.3	22.02
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	497	3.9	NA
	TOTAL OF ALL OCCUPATIONS	**12,785**	**100.0**	

ARIZONA ESTIMATED EMPLOYMENT
TRANSPORTATION SERVICES
(SIC 47)

		EMPLOYMENT APRIL 1988	PERCENT DISTRIB.	REL. ERROR
10000	**MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS**	**357**	**9.2**	**NA**
15023	COMMUNICATIONS, TRANSPORT. & UTIL. OPERATIONS. MGRS.	104	2.7	33.67
19005	GENERAL MANAGERS AND TOP EXECUTIVES	239	6.2	12.62
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	14	0.4	NA
20000	**PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL**	**35**	**0.9**	**NA**
21114	ACCOUNTANTS AND AUDITORS	22	0.6	45.42
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	1	0.0	NA
39999	ALL OTHER PROFESSIONAL, PARAPROFS., AND TECHNICAL	12	0.3	NA
40000	**SALES AND RELATED OCCUPATIONS**	**1,953**	**50.5**	**NA**
41002	FIRST LINE SUPERVISORS, SALES	258	6.7	12.02
43017	SALES AGENTS, SELECTED BUSINESS SERVICES	43	1.1	39.46
43021	TRAVEL AGENTS	1,641	42.4	4.44
49999	ALL OTHER SALES AND RELATED WORKERS	11	0.3	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**989**	**25.6**	**NA**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	78	2.0	28.50
53805	RESERVATION AND TRANSPORTATION TICKET AGENTS	61	1.6	33.63
55100	SECRETARIES	60	1.6	27.10
55305	RECEPTIONISTS AND INFORMATION CLERKS	21	0.5	40.59
55338	BOOKKEEPING AND ACCOUNTING CLERKS	196	5.1	13.08
55347	GENERAL OFFICE CLERKS	126	3.3	42.71
56099	ALL OTHER OFFICE MACHINE OPERATORS	43	1.1	NA
57311	MESSENGERS	36	0.9	28.38
58005	DISPATCHERS, EXCEPT POLICE, FIRE, AND AMBULANCE	109	2.8	41.37
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	79	2.0	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	180	4.7	NA
60000	**SERVICE OCCUPATIONS**	**26**	**0.7**	**NA**
67000	CLEANING AND BUILDING SERVICE OCCUPATIONS	26	0.7	38.10
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**510**	**13.2**	**NA**
81099	ALL OTHER FIRST LINE SUPERS. -PROD./CONST./MAINT.	17	0.4	NA
83099	ALL OTHER INSPECTORS, TESTERS, AND REL. OCCUPATIONS	11	0.3	NA
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	5	0.1	NA
97105	TRUCK DRIVERS, LIGHT -INCL. DELIVERY & ROUTE WRKRS.	63	1.6	36.90
97899	ALL OTHER TRANSPORTATION AND RELATED WORKERS	212	5.5	NA
97999	ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	25	0.6	NA
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	177	4.6	NA
	TOTAL OF ALL OCCUPATIONS	**3,870**	**100.0**	

ARIZONA ESTIMATED EMPLOYMENT
COMMUNICATIONS
(SIC 48)

		EMPLOYMENT MAY 1988	PERCENT DISTRIB.	REL. ERROR
10000	**MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS**	**768**	**4.9**	**NA**
13002	FINANCIAL MANAGERS	45	0.3	19.27
13011	MARKETING, ADVERTISING, AND PUBLIC RELATIONS MGRS.	197	1.3	9.87
13014	ADMINISTRATIVE SERVICES MANAGERS	15	0.1	19.16
13017	ENGINEERING, MATH., AND NATURAL SCIENCES MANAGERS	26	0.2	25.62
15023	COMMUNICATIONS, TRANSPORT. & UTIL. OPERATIONS. MGRS.	157	1.0	10.70
19005	GENERAL MANAGERS AND TOP EXECUTIVES	280	1.8	9.40
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	48	0.3	NA
20000	**PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL**	**2,779**	**17.8**	**NA**
21114	ACCOUNTANTS AND AUDITORS	26	0.2	25.13
21199	ALL OTHER FINANCIAL SPECIALISTS	9	0.1	NA
21511	PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	33	0.2	26.69
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	203	1.3	NA
22126	ELECTRICAL AND ELECTRONIC ENGINEERS	270	1.7	12.16
22199	ALL OTHER ENGINEERS	29	0.2	NA
22505	ELECTRICAL AND ELECTRONIC ENGINEERING TECHNICIANS	284	1.8	2.13
22599	ALL OTHER ENGINEERING AND RELATED TECHNICIANS	50	0.3	NA
25102	SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	92	0.6	34.72
25105	COMPUTER PROGRAMMERS	22	0.1	7.79
27100	SOCIAL SCIENTISTS	2	0.0	28.28
32999	ALL OTHER HEALTH PROFESSIONALS, PARAPROFS., AND TECHS.	9	0.1	NA
34002	WRITERS AND EDITORS	44	0.3	31.79
34008	PUBLIC RELATIONS SPECIALISTS	40	0.3	23.31
34011	REPORTERS AND CORRESPONDENTS	173	1.1	7.91
34014	BROADCAST NEWS ANALYSTS	61	0.4	26.60
34017	ANNOUNCERS, RADIO AND TV	695	4.4	11.86
34023	PHOTOGRAPHERS	74	0.5	13.80
34026	CAMERA OPERATORS, TELEVISION AND MOTION PICTURE	22	0.1	2.76
34028	BROADCAST TECHNICIANS	311	2.0	21.39
34032	FILM EDITORS	27	0.2	36.60
34035	ARTISTS AND RELATED WORKERS	19	0.1	26.78
34056	PRODUCERS, DIRECTORS, ACTORS, AND OTHER ENTERTAINERS	135	0.9	15.32
39999	ALL OTHER PROFESSIONAL, PARAPROFS., AND TECHNICAL	149	1.0	NA
40000	**SALES AND RELATED OCCUPATIONS**	**1,759**	**11.2**	**NA**
41002	FIRST LINE SUPERVISORS, SALES	189	1.2	16.61
43017	SALES AGENTS, SELECTED BUSINESS SERVICES	277	1.8	19.88
43023	SALES AGENTS, ADVERTISING	460	2.9	6.34
49023	CASHIERS	42	0.3	0.00
49999	ALL OTHER SALES AND RELATED WORKERS	791	5.1	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**6,503**	**41.5**	**NA**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	760	4.9	7.32
53117	CREDIT CHECKERS	44	0.3	6.51
53123	ADJUSTMENT CLERKS	581	3.7	4.42

ARIZONA ESTIMATED EMPLOYMENT
COMMUNICATIONS
(SIC 48)

		EMPLOYMENT MAY 1988	PERCENT DISTRIB.	REL. ERROR
53508	BILL AND ACCOUNT COLLECTORS	66	0.4	10.02
55100	SECRETARIES	248	1.6	6.53
55302	STENOGRAPHERS	13	0.1	0.00
55305	RECEPTIONISTS AND INFORMATION CLERKS	62	0.4	13.81
55311	TYPISTS, WORD PROCESSING EQUIPMENT	10	0.1	46.71
55321	FILE CLERKS	534	3.4	0.00
55323	ORDER CLERKS- MATERIALS, MERCHANDISE, AND SERVICE	216	1.4	2.52
55328	STATISTICAL CLERKS	31	0.2	7.82
55335	CUSTOMER SERVICE REPRESENTATIVES, UTILITIES	591	3.8	3.53
55338	BOOKKEEPING AND ACCOUNTING CLERKS	91	0.6	10.53
55344	BILLING, COST AND RATE CLERKS	55	0.4	11.97
55347	GENERAL OFFICE CLERKS	988	6.3	1.93
56011	COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	82	0.5	14.14
56017	DATA ENTRY KEYERS, EXCEPT COMPOSING	184	1.2	2.25
57102	SWITCHBOARD OPERATORS	25	0.2	22.59
57105	DIRECTORY ASSISTANCE OPERATORS	392	2.5	0.00
57108	CENTRAL OFFICE OPERATORS	767	4.9	26.77
57199	ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	61	0.4	NA
58005	DISPATCHERS, EXCEPT POLICE, FIRE, AND AMBULANCE	89	0.6	6.05
58008	PRODUCTION, PLANNING, AND EXPEDITING CLERKS	163	1.0	2.30
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	39	0.2	15.58
58028	SHIPPING, RECEIVING, AND TRAFFIC CLERKS	23	0.1	25.96
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	27	0.2	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	361	2.3	NA
60000	**SERVICE OCCUPATIONS**	**25**	**0.2**	**NA**
63099	ALL OTHER PROTECTIVE SERVICE WORKERS	4	0.0	NA
67000	CLEANING AND BUILDING SERVICE OCCUPATIONS	12	0.1	23.33
69999	ALL OTHER SERVICE WORKERS	9	0.1	NA
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**3,820**	**24.4**	**NA**
81002	FIRST LINE SUPERS. -MECHS., INSTALLERS, & REPAIRERS	181	1.2	3.01
81099	ALL OTHER FIRST LINE SUPERS. -PROD./CONST./MAINT.	97	0.6	NA
83099	ALL OTHER INSPECTORS, TESTERS, AND REL. OCCUPATIONS	23	0.1	NA
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	48	0.3	6.57
85302	AUTOMOTIVE MECHANICS	51	0.3	0.00
85502	CENTRAL OFFICE AND PBX INSTALLERS AND REPAIRERS	414	2.6	11.30
85505	FRAME WIRERS	99	0.6	0.00
85599	ALL OTHER COMMUNICATIONS EQUIP. MECHS./INSTALL./REPAIR	27	0.2	NA
85702	TELEPHONE AND CABLE TV LINE INSTALLERS AND REPAIRERS	1,305	8.3	0.82
85717	ELECTRONICS REPAIRERS, COMMERCIAL AND INDUST. EQUIP.	89	0.6	18.36
85726	STATION INSTALLERS AND REPAIRERS, TELEPHONE	186	6.9	2.48
85799	ALL OTHER ELEC. AND ELECTR. EQUIP. MECH./INSTALL./REP.	243	1.6	NA
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	16	0.1	NA
87899	ALL OTHER CONSTRUCTION TRADES WORKERS	5	0.0	NA

ARIZONA ESTIMATED EMPLOYMENT
COMMUNICATIONS
(SIC 48)

		EMPLOYMENT MAY 1988	PERCENT DISTRIB.	REL. ERROR
87999	ALL OTHER CONSTR. AND EXTRACTIVE WRKRS. EXC. HELPERS	9	0.1	NA
95099	ALL OTHER PLANT AND SYSTEM OPERATORS	4	0.0	NA
97989	ALL OTHER TRANSP. AND MATRL. MOVING EQUIP. OPERATORS	19	0.1	NA
98102	MECHANIC AND REPAIRER HELPERS	53	0.3	0.00
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	51	0.3	NA
	TOTAL OF ALL OCCUPATIONS	15,654	100.0	

ARIZONA ESTIMATED EMPLOYMENT
ELECTRIC, GAS, AND SANITARY SERVICES
(SIC 49)

		EMPLOYMENT APRIL 1988	PERCENT DISTRIB.	REL. ERROR
10000	MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	1,361	5.9	NA
13002	FINANCIAL MANAGERS	59	0.3	7.41
13005	PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	32	0.1	0.44
13014	ADMINISTRATIVE SERVICES MANAGERS	44	0.2	4.45
13017	ENGINEERING, MATH., AND NATURAL SCIENCES MANAGERS	126	0.5	12.58
15023	COMMUNICATIONS, TRANSPORT. & UTIL. OPERATIONS. MGRS.	456	2.0	13.96
19005	GENERAL MANAGERS AND TOP EXECUTIVES	500	2.2	18.29
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	144	0.6	NA
20000	PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	5,208	22.5	NA
21114	ACCOUNTANTS AND AUDITORS	306	1.3	11.14
21117	BUDGET ANALYSTS	65	0.3	0.15
21199	ALL OTHER FINANCIAL SPECIALISTS	40	0.2	NA
21308	PURCHASING AGENTS -EXC. WHOLESALE, RETAIL, AND FARM	102	0.4	0.13
21511	PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	167	0.7	0.11
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	260	1.1	NA
22121	CIVIL ENGINEERS, INCLUDING TRAFFIC	116	0.5	7.57
22126	ELECTRICAL AND ELECTRONIC ENGINEERS	684	3.0	0.63
22128	INDUSTRIAL ENGINEERS, EXCEPT SAFETY	119	0.5	3.66
22132	SAFETY ENGINEERS, EXCEPT MINING	57	0.2	11.46
22135	MECHANICAL ENGINEERS	138	0.6	0.30
22199	ALL OTHER ENGINEERS	204	0.9	NA
22311	SURVEYING AND MAPPING SCIENTISTS	37	0.2	0.27
22502	CIVIL ENGINEERING TECHNICIANS	13	0.1	1.08
22505	ELECTRICAL AND ELECTRONIC ENGINEERING TECHNICIANS	493	2.1	0.51
22511	MECHANICAL ENGINEERING TECHNICIANS	88	0.4	0.39
22514	DRAFTERS	105	0.5	23.59
22517	ESTIMATORS AND DRAFTERS, UTILITIES	387	1.7	7.85
22521	SURVEYING AND MAPPING TECHNICIANS AND TECHNOLOGISTS	79	0.3	0.00
22599	ALL OTHER ENGINEERING AND RELATED TECHNICIANS	370	1.6	NA
24199	ALL OTHER PHYSICAL SCIENTISTS	190	0.8	NA
24300	LIFE SCIENTISTS	37	0.2	0.00
24500	PHYSICAL AND LIFE SCIENCE TECHNICIANS	82	0.4	2.38
25102	SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	301	1.3	2.53
25105	COMPUTER PROGRAMMERS	112	0.5	1.94
25108	COMPUTER PROGRAMMER AIDES	80	0.3	0.49
25310	MATHEMATICAL SCIENTISTS	27	0.1	0.00
27100	SOCIAL SCIENTISTS	45	0.2	0.00
28108	LAWYERS	27	0.1	0.00
31399	ALL OTHER TEACHERS AND INSTRUCTORS	4	0.0	NA
32000	HEALTH PRACTITIONERS, TECHNICIANS, AND RELATED	20	0.1	0.00
34002	WRITERS AND EDITORS	24	0.1	0.00
34008	PUBLIC RELATIONS SPECIALISTS	55	0.2	3.91
39999	ALL OTHER PROFESSIONAL, PARAPROFS., AND TECHNICAL	374	1.6	NA

ARIZONA ESTIMATED EMPLOYMENT
ELECTRIC, GAS, AND SANITARY SERVICES
(SIC 49)

		EMPLOYMENT APRIL 1988	PERCENT DISTRIB.	REL. ERROR
40000	**SALES AND RELATED OCCUPATIONS**	**191**	**0.8**	**NA**
41002	FIRST LINE SUPERVISORS, SALES	57	0.2	37.90
43017	SALES AGENTS, SELECTED BUSINESS SERVICES	20	0.1	27.36
49011	SALESPERSONS, RETAIL	35	0.2	0.98
49023	CASHIERS	77	0.3	24.17
49999	ALL OTHER SALES AND RELATED WORKERS	2	0.0	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**5,476**	**23.6**	**NA**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	521	2.2	10.85
53123	ADJUSTMENT CLERKS	105	0.5	0.09
53508	BILL AND ACCOUNT COLLECTORS	110	0.5	30.13
55100	SECRETARIES	878	3.8	12.03
55302	STENOGRAPHERS	18	0.1	0.00
55308	TYPISTS	66	0.3	0.21
55311	TYPISTS, WORD PROCESSING EQUIPMENT	46	0.2	0.43
55314	PERSONNEL CLERKS, EXCEPT PAYROLL	75	0.3	0.00
55321	FILE CLERKS	85	0.4	0.16
55323	ORDER CLERKS- MATERIALS, MERCHANDISE, AND SERVICE	49	0.2	0.20
55328	STATISTICAL CLERKS	24	0.1	0.00
55335	CUSTOMER SERVICE REPRESENTATIVES, UTILITIES	1,050	4.5	4.81
55338	BOOKKEEPING AND ACCOUNTING CLERKS	263	1.1	19.43
55341	PAYROLL AND TIMEKEEPING CLERKS	13	0.1	0.76
55344	BILLING, COST AND RATE CLERKS	64	0.3	10.33
55347	GENERAL OFFICE CLERKS	424	1.8	11.87
56011	COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	44	0.2	44.29
56099	ALL OTHER OFFICE MACHINE OPERATORS	133	0.6	NA
57102	SWITCHBOARD OPERATORS	20	0.1	0.00
57302	MAIL CLERKS, EXC. MAIL MACHINE OPERS. & POSTAL SERV.	32	0.1	0.31
58005	DISPATCHERS, EXCEPT POLICE, FIRE, AND AMBULANCE	90	0.4	0.00
58014	METER READER, UTILITIES	585	2.5	12.24
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	395	1.7	1.31
58028	SHIPPING, RECEIVING, AND TRAFFIC CLERKS	19	0.1	0.00
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	123	0.5	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	244	1.1	NA
60000	**SERVICE OCCUPATIONS**	**572**	**2.5**	**NA**
61000	FIRST LINE SUPERVISORS AND MGR./SUPERS. -SERVICE	50	0.2	0.28
63035	DETECTIVES AND INVESTIGATORS, EXC. PUBLIC	16	0.1	13.57
63047	GUARDS AND WATCH GUARDS	198	0.9	0.00
67099	ALL OTHER CLEANING AND BUILDING SERVICE WORKERS	270	1.2	NA
69999	ALL OTHER SERVICE WORKERS	38	0.2	NA
70000	**AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS**	**425**	**1.8**	**NA**

ARIZONA ESTIMATED EMPLOYMENT
ELECTRIC, GAS, AND SANITARY SERVICES
(SIC 49)

		EMPLOYMENT APRIL 1988	PERCENT DISTRIB.	REL. ERROR
80000	PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING	9,941	42.9	NA
81002	FIRST LINE SUPERS. -MECHS., INSTALLERS, & REPAIRERS	490	2.1	7.28
81005	FIRST LINE SUPERS. -CONSTRUCTION & EXTRACTIVE WRKRS.	224	1.0	4.66
81099	ALL OTHER FIRST LINE SUPERS. -PROD./CONST./MAINT.	380	1.6	NA
83002	PRECISION INSPECTORS, TESTERS, AND GRADERS	125	0.5	0.00
83099	ALL OTHER INSPECTORS, TESTERS, AND REL. OCCUPATIONS	30	0.1	NA
85118	MAINTENANCE MECHS., WATER OR POWER GENERATION PLANT	578	2.5	8.82
85119	ALL OTHER MACHINERY MAINTENANCE MECHANICS	17	0.1	NA
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	542	2.3	11.68
85302	AUTOMOTIVE MECHANICS	250	1.1	18.92
85311	BUS AND TRUCK MECHS. AND DIESEL ENGINE SPECIALISTS	49	0.2	0.81
85314	MOBILE HEAVY EQUIPMENT MECHANICS	25	0.1	0.00
85714	ELECTRIC MOTOR, TRANSFORMER, AND RELATED REPAIRERS	13	0.1	2.77
85717	ELECTRONICS REPAIRERS, COMMERCIAL AND INDUST. EQUIP.	18	0.1	0.55
85721	POWERHOUSE, SUBSTATION, AND RELAY ELECTRICIANS	541	2.3	0.08
85723	ELECTRICAL POWERLINE INSTALLERS AND REPAIRERS	859	3.7	4.22
85799	ALL OTHER ELEC. & ELECTR. EQUIP. MECH./INSTALL./REP.	105	0.5	NA
85902	HEATING, A/C, AND REFRIGERATION MECHS. & INSTALLERS	42	0.2	0.00
85905	PRECISION INSTRUMENT REPAIRERS	128	0.6	6.93
85911	ELECTRICAL METER INSTALLERS AND REPAIRERS	98	0.4	0.00
85944	GAS APPLIANCE REPAIRERS	258	1.1	3.24
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	209	0.9	NA
87102	CARPENTERS	53	0.2	5.63
87202	ELECTRICIANS	315	1.4	0.57
87402	PAINTERS AND PAPERHANGERS	31	0.1	0.00
87502	PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	24	0.1	8.22
87899	ALL OTHER CONSTRUCTION TRADES WORKERS	525	2.3	NA
87900	EXTRACTIVE AND RELATED WORKERS -INCLUDING BLASTERS	55	0.2	1.78
89108	MACHINISTS	77	0.3	0.00
89999	ALL OTHER PRECISION WORKERS	44	0.2	NA
92998	ALL OTHER MACHINE OPERATORS AND TENDERS	28	0.1	NA
93914	WELDERS AND CUTTERS	59	0.3	0.91
95005	GAS PLANT OPERATORS	82	0.4	4.71
95021	POWER GENERATING PLANT OPERS., EXC. AUXILIARY EQUIP.	315	1.4	0.32
95023	AUXILIARY EQUIPMENT OPERATORS, POWER	266	1.1	0.39
95028	POWER DISTRIBUTORS AND DISPATCHERS	123	0.5	0.11
95099	ALL OTHER PLANT AND SYSTEM OPERATORS	507	2.2	NA
97102	TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	396	1.7	28.32
97105	TRUCK DRIVERS, LIGHT -INCL. DELIVERY & ROUTE WRKRS.	32	0.1	19.65
97899	ALL OTHER TRANSPORTATION AND RELATED WORKERS	91	0.4	NA
97947	INDUSTRIAL TRUCK AND TRACTOR OPERATORS	35	0.2	2.79
97956	OPERATING ENGINEERS	252	1.1	37.62
97999	ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	423	1.8	NA
98102	MECHANIC AND REPAIRER HELPERS	385	1.7	1.48

ARIZONA ESTIMATED EMPLOYMENT
ELECTRIC, GAS, AND SANITARY SERVICES
(SIC 49)

		EMPLOYMENT APRIL 1988	PERCENT DISTRIB.	REL. ERROR
98313	HELPERS, ELECTRICIANS AND POWERLINE INSTALLERS	300	1.3	9.11
98319	HELPERS, ALL OTHER CONSTRUCTION TRADES	128	0.6	15.02
98705	REFUSE COLLECTORS	32	0.1	0.00
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	382	1.6	NA
	TOTAL OF ALL OCCUPATIONS	**23,174**	**100.0**	

OCCUPATIONAL EMPLOYMENT

IN

TRADE

ARIZONA ESTIMATED EMPLOYMENT
WHOLESALE TRADE OF DURABLE GOODS
(SIC 50)

		EMPLOYMENT JUNE 1988	PERCENT DISTRIB.	REL. ERROR
10000	**MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS**	**3,465**	**7.6**	**NA**
13002	FINANCIAL MANAGERS	128	0.3	25.34
13005	PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	37	0.1	47.65
13008	PURCHASING MANAGERS	368	0.8	18.01
13017	ENGINEERING, MATH., AND NATURAL SCIENCES MANAGERS	27	0.1	30.37
15023	COMMUNICATIONS, TRANSPORT. & UTIL. OPERATIONS. MGRS.	133	0.3	26.22
19005	GENERAL MANAGERS AND TOP EXECUTIVES	2,129	4.7	10.71
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	643	1.4	NA
20000	**PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL**	**3,481**	**7.6**	**NA**
21114	ACCOUNTANTS AND AUDITORS	200	0.4	24.52
21199	ALL OTHER FINANCIAL SPECIALISTS	8	0.0	NA
21302	WHOLESALE AND RETAIL BUYERS, EXC. FARM	365	0.8	18.67
21511	PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	37	0.1	43.71
21902	COST ESTIMATORS	22	0.0	48.10
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	215	0.5	NA
22126	ELECTRICAL AND ELECTRONIC ENGINEERS	135	0.3	46.29
22199	ALL OTHER ENGINEERS	83	0.2	NA
22599	ALL OTHER ENGINEERING AND RELATED TECHNICIANS	711	1.6	NA
24199	ALL OTHER PHYSICAL SCIENTISTS	47	0.1	NA
24399	ALL OTHER LIFE SCIENTISTS	12	0.0	NA
24599	ALL OTHER PHYSICAL AND LIFE SCIENCE TECHNICIANS	5	0.0	NA
25102	SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	74	0.2	42.17
25105	COMPUTER PROGRAMMERS	215	0.5	35.77
32999	ALL OTHER HEALTH PROFESSIONALS, PARAPROFS., & TECHS.	870	1.9	NA
39999	ALL OTHER PROFESSIONAL, PARAPROFS., AND TECHNICAL	482	1.1	NA
40000	**SALES AND RELATED OCCUPATIONS**	**12,612**	**27.6**	**NA**
41002	FIRST LINE SUPERVISORS, SALES	1,556	3.4	13.27
49008	SALES REPS., EXCEPT SCIENTIFIC, RELATED, AND RETAIL	3,760	8.2	13.26
49011	SALESPERSONS, RETAIL	2,833	6.2	20.15
49014	SALESPERSONS, PARTS	1,403	3.1	12.73
49021	STOCK CLERKS, SALES FLOOR	93	0.2	38.95
49023	CASHIERS	447	1.0	17.94
49999	ALL OTHER SALES AND RELATED WORKERS	2,520	5.5	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**10,857**	**23.8**	**NA**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	996	2.2	14.54
53123	ADJUSTMENT CLERKS	340	0.7	47.01
53508	BILL AND ACCOUNT COLLECTORS	116	0.3	24.48
55100	SECRETARIES	940	2.1	18.08
55305	RECEPTIONISTS AND INFORMATION CLERKS	398	0.9	20.62
55323	ORDER CLERKS	558	1.2	28.79
55338	BOOKKEEPING AND ACCOUNTING CLERKS	1,478	3.2	12.69
55341	PAYROLL AND TIMEKEEPING CLERKS	50	0.1	33.46

ARIZONA ESTIMATED EMPLOYMENT
WHOLESALE TRADE OF DURABLE GOODS
(SIC 50)

		EMPLOYMENT JUNE 1988	PERCENT DISTRIB.	REL. ERROR
55344	BILLING, COST AND RATE CLERKS	243	0.5	35.68
55347	GENERAL OFFICE CLERKS	1,698	3.7	16.93
56011	COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	171	0.4	40.58
56099	ALL OTHER OFFICE MACHINE OPERATORS	429	0.9	NA
57102	SWITCHBOARD OPERATORS	137	0.3	26.15
58005	DISPATCHERS, EXCEPT POLICE, FIRE, AND AMBULANCE	124	0.3	44.61
58008	PRODUCTION, PLANNING, AND EXPEDITING CLERKS	13	0.0	29.04
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	891	2.0	14.42
58026	ORDER FILLERS, WHOLESALE AND RETAIL	1,234	2.7	15.50
58028	SHIPPING, RECEIVING, AND TRAFFIC CLERKS	604	1.3	18.79
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	65	0.1	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	372	0.8	NA
60000	**SERVICE OCCUPATIONS**	**418**	**0.9**	**NA**
61099	ALL OTHER SERVICE SUPERVISORS AND MGR./SUPERVISORS	30	0.1	NA
63099	ALL OTHER PROTECTIVE SERVICE WORKERS	32	0.1	NA
65099	ALL OTHER FOOD SERVICE WORKERS	52	0.1	NA
67005	JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	164	0.4	20.50
67099	ALL OTHER CLEANING/BLDG. SERVICE, EXC. PRIV. HOUSE	8	0.0	NA
69999	ALL OTHER SERVICE WORKERS	132	0.3	NA
70000	**AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS**	**26**	**0.1**	**NA**
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**14,812**	**32.4**	**NA**
81002	FIRST LINE SUPERS. -MECHS., INSTALLERS, & REPAIRERS	632	1.4	25.83
81011	FIRST LINE SUPERS. -TRANSP. AND MATRL. MOVING MACH.	50	0.1	48.20
81017	FIRST LINE SUPERS. -HELPERS/LABORERS/MOVERS, HAND	155	0.3	20.41
81099	ALL OTHER FIRST LINE SUPERS. -PROD./CONST./MAINT.	106	0.2	NA
83099	ALL OTHER INSPECTORS, TESTERS, AND REL. OCCUPATIONS	241	0.5	NA
85110	MACHINERY MAINTENANCE MECHANICS	108	0.2	48.16
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	331	0.7	30.57
85302	AUTOMOTIVE MECHANICS	413	0.9	19.99
85311	BUS AND TRUCK MECHS. AND DIESEL ENGINE SPECIALISTS	501	1.1	20.89
85314	MOBILE HEAVY EQUIPMENT MECHANICS	239	0.5	15.07
85321	FARM EQUIPMENT MECHANICS	166	0.4	39.09
85708	HOME ENTERTAINMENT EQUIPMENT REPAIRERS	15	0.0	30.83
85711	ELECTRIC APPLIANCE AND POWER TOOL REPAIRERS	45	0.1	28.55
85799	ALL OTHER ELEC. & ELECTR. EQUIP. MECH./INSTALL./REP.	520	1.1	NA
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	2,310	5.1	NA
87999	ALL OTHER CONSTR. & EXTRACTIVE WRKRS. EXC. HELPERS	1,242	2.7	NA
89108	MACHINISTS	198	0.4	22.60
89199	ALL OTHER PRECISION METAL WORKERS	23	0.1	NA
89311	CABINETMAKERS AND BENCH CARPENTERS	115	0.3	0.00
89399	ALL OTHER PRECISION WOODWORKERS	14	0.0	NA
89999	ALL OTHER PRECISION WORKERS	303	0.7	NA

ARIZONA ESTIMATED EMPLOYMENT
WHOLESALE TRADE OF DURABLE GOODS
(SIC 50)

		EMPLOYMENT JUNE 1988	PERCENT DISTRIB.	REL. ERROR
92997	ALL OTHER MACHINE SETTERS AND SET-UP OPERATORS	1	0.0	NA
92998	ALL OTHER MACHINE OPERATORS AND TENDERS	176	0.4	NA
93914	WELDERS AND CUTTERS	227	0.5	28.46
93956	ASSEMBLERS/FABRICATORS -EXC. MACH./ELECT./PRECISION	633	32.9	32.91
93999	ALL OTHER HAND WORKERS	77	0.2	NA
95099	ALL OTHER PLANT AND SYSTEM OCCUPATIONS	22	0.0	NA
97102	TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	678	1.5	16.56
97105	TRUCK DRIVERS, LIGHT -INCL. DELIVERY & ROUTE WRKRS.	1,486	3.3	13.67
97117	DRIVER/SALES WORKERS	283	0.6	45.42
97805	SERVICE STATION ATTENDANTS	421	0.9	16.36
97899	ALL OTHER TRANSPORTATION AND RELATED WORKERS	22	0.0	NA
97944	CRANE AND TOWER OPERATORS	26	0.1	47.80
97947	INDUSTRIAL TRUCK AND TRACTOR OPERATORS	227	0.5	29.74
97999	ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	70	0.2	NA
98102	MECHANIC AND REPAIRER HELPERS	102	0.2	18.70
98700	FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	1,085	2.4	33.22
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	1,549	3.4	NA
	TOTAL OF ALL OCCUPATIONS	**45,671**	**100.0**	

ARIZONA ESTIMATED EMPLOYMENT
WHOLESALE TRADE OF NONDURABLE GOODS
(SIC 51)

		EMPLOYMENT JUNE 1988	PERCENT DISTRIB.	REL. ERROR
10000	**MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS**	**1,625**	**6.6**	**NA**
13002	FINANCIAL MANAGERS	74	0.3	36.43
13005	PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	16	0.1	23.01
13008	PURCHASING MANAGERS	180	0.7	28.69
13011	MARKETING, ADVERTISING, AND PUBLIC RELATIONS MGRS.	119	0.5	24.85
15023	COMMUNICATIONS, TRANSPORT. & UTIL. OPERATIONS. MGRS.	105	0.4	14.41
15026	FOOD SERVICE AND LODGING MANAGERS	14	0.1	46.66
19005	GENERAL MANAGERS AND TOP EXECUTIVES	1,037	4.2	9.69
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	80	0.3	NA
20000	**PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL**	**814**	**3.3**	**NA**
21114	ACCOUNTANTS AND AUDITORS	89	0.4	23.53
21199	ALL OTHER FINANCIAL SPECIALISTS	3	0.0	NA
21302	WHOLESALE AND RETAIL BUYERS, EXC. FARM	107	0.4	22.24
21511	PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	25	0.1	47.39
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	102	0.4	NA
22199	ALL OTHER ENGINEERS	2	0.0	NA
22599	ALL OTHER ENGINEERING AND RELATED TECHNICIANS	6	0.0	NA
24199	ALL OTHER PHYSICAL SCIENTISTS	4	0.0	NA
24500	PHYSICAL AND LIFE SCIENCE TECHNICIANS	49	0.2	36.53
25105	COMPUTER PROGRAMMERS	47	0.2	30.97
32999	ALL OTHER HEALTH PROFESSIONALS, PARAPROFS., & TECHS.	25	0.1	NA
34038	DESIGNERS, EXCEPT INTERIOR DESIGNERS	170	0.7	44.69
34044	MERCHANDISE DISPLAYERS AND WINDOW TRIMMERS	103	0.4	39.23
39999	ALL OTHER PROFESSIONAL, PARAPROFS., AND TECHNICAL	82	0.3	NA
40000	**SALES AND RELATED OCCUPATIONS**	**7,658**	**31.2**	**NA**
41002	FIRST LINE SUPERVISORS, SALES	799	3.3	9.29
49005	SALES REPS., SCIEN. & REL. PROD. & SVCS.-EXC. RETAIL	855	3.5	33.83
49008	SALES REPS., EXCEPT SCIENTIFIC, RELATED, AND RETAIL	4,192	17.1	10.42
49011	SALESPERSONS, RETAIL	989	4.0	17.92
49021	STOCK CLERKS, SALES FLOOR	271	1.1	47.58
49023	CASHIERS	335	1.4	11.65
49999	ALL OTHER SALES AND RELATED WORKERS	217	0.9	NA
5[illegible]	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**5,362**	**21.9**	**NA**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	531	2.2	11.19
53123	ADJUSTMENT CLERKS	31	0.1	16.46
53508	BILL AND ACCOUNT COLLECTORS	57	0.2	44.96
55100	SECRETARIES	449	1.8	14.54
55305	RECEPTIONISTS AND INFORMATION CLERKS	131	0.5	15.22
55311	TYPISTS, WORD PROCESSING EQUIPMENT	19	0.1	45.84
55323	ORDER CLERKS- MATERIALS, MERCHANDISE, AND SERVICE	419	1.7	27.72
55338	BOOKKEEPING AND ACCOUNTING CLERKS	715	2.9	11.04
55341	PAYROLL AND TIMEKEEPING CLERKS	46	0.2	24.02
55344	BILLING, COST AND RATE CLERKS	61	0.2	22.60

ARIZONA ESTIMATED EMPLOYMENT
WHOLESALE TRADE OF NONDURABLE GOODS
(SIC 51)

		EMPLOYMENT JUNE 1988	PERCENT DISTRIB.	REL. ERROR
55347	GENERAL OFFICE CLERK	645	2.6	16.93
56002	BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	47	0.2	27.91
56011	COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	121	0.5	30.80
56017	DATA ENTRY KEYERS, EXCEPT COMPOSING	100	0.4	21.71
56099	ALL OTHER OFFICE MACHINE OPERATORS	4	0.0	NA
57102	SWITCHBOARD OPERATORS	16	0.1	29.61
58005	DISPATCHERS, EXCEPT POLICE, FIRE, AND AMBULANCE	25	0.1	38.58
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	511	2.1	18.87
58026	ORDER FILLERS, WHOLESALE AND RETAIL	767	3.1	19.11
58028	SHIPPING, RECEIVING, AND TRAFFIC CLERKS	552	2.3	19.67
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	35	0.1	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	80	0.3	NA
60000	**SERVICE OCCUPATIONS**	**445**	**1.8**	**NA**
61000	FIRST LINE SUPERVISORS AND MGR./SUPERS. -SERVICE	32	0.1	32.85
63099	ALL OTHER PROTECTIVE SERVICE WORKERS	2	0.0	NA
65099	ALL OTHER FOOD SERVICE WORKERS	175	0.7	NA
67005	JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	199	0.8	25.09
69999	ALL OTHER SERVICE WORKERS	37	0.2	NA
70000	**AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS**	**1,261**	**5.1**	**NA**
79005	NURSERY WORKERS	143	41.4	41.43
79999	ALL OTHER AGRICULTURAL, FORESTRY, FISHING, AND REL.	1,118	4.6	NA
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**7,363**	**30.0**	**NA**
81002	FIRST LINE SUPERS. -MECHS., INSTALLERS, & REPAIRERS	65	0.3	43.05
81011	FIRST LINE SUPERS. -TRANSP. AND MATRL. MOVING MACH.	71	0.3	41.66
81017	FIRST LINE SUPERS. -HELPERS/LABORERS/MOVERS, HAND	129	0.5	20.41
81099	ALL OTHER FIRST LINE SUPERS. -PROD./CONST./MAINT.	61	0.2	NA
83099	ALL OTHER INSPECTORS, TESTERS, AND REL. OCCUPATIONS	81	0.3	NA
85110	MACHINERY MAINTENANCE MECHANICS	75	0.3	37.21
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	152	0.6	30.67
85302	AUTOMOTIVE MECHANICS	16	0.1	15.52
85311	BUS AND TRUCK MECHS. AND DIESEL ENGINE SPECIALISTS	82	0.3	13.66
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	44	0.2	NA
87899	ALL OTHER CONSTRUCTION TRADES WORKERS	1	0.0	NA
89999	ALL OTHER PRECISION WORKERS	133	0.5	NA
92974	PACKAGING AND FILLING MACHINE OPERATORS AND TENDERS	255	1.0	35.56
92997	ALL OTHER MACHINE SETTERS AND SET-UP OPERATORS	11	0.0	NA
92998	ALL OTHER MACHINE OPERATORS AND TENDERS	167	0.7	NA
93999	ALL OTHER HAND WORKERS	4	0.0	NA
95099	ALL OTHER PLANT AND SYSTEM OPERATORS	35	0.1	NA
97102	TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	1,296	5.3	17.23
97105	TRUCK DRIVERS, LIGHT -INCL. DELIVERY & ROUTE WRKRS.	1,393	5.7	15.37
97117	DRIVER/SALES WORKERS	668	2.7	34.56
97805	SERVICE STATION ATTENDANTS	41	0.2	28.96

ARIZONA ESTIMATED EMPLOYMENT
WHOLESALE TRADE OF NONDURABLE GOODS
(SIC 51)

		EMPLOYMENT JUNE 1988	PERCENT DISTRIB.	REL. ERROR
97899	ALL OTHER TRANSPORTATION AND RELATED WORKERS	21	0.1	NA
97947	INDUSTRIAL TRUCK AND TRACTOR OPERATORS	329	1.3	18.04
97999	ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	45	0.2	NA
98700	FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	893	3.6	20.23
98902	HAND PACKERS AND PACKAGERS	612	2.5	30.48
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	683	2.8	NA
	TOTAL OF ALL OCCUPATIONS	**24,528**	**100.0**	

ARIZONA ESTIMATED EMPLOYMENT
GENERAL MERCHANDISE STORES
(SIC 53)

		EMPLOYMENT JUNE 1988	PERCENT DISTRIB.	REL. ERROR
10000	**MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS**	**1,094**	**3.6**	**NA**
13002	FINANCIAL MANAGERS	23	0.1	15.33
13005	PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	29	0.1	12.25
13008	PURCHASING MANAGERS	185	0.6	8.39
13011	MARKETING, ADVERTISING, AND PUBLIC RELATIONS MGRS.	164	0.5	11.54
13014	ADMINISTRATIVE SERVICES MANAGERS	20	0.1	17.64
15023	COMMUNICATIONS, TRANSPORT. & UTIL. OPERATIONS. MGRS.	34	0.1	9.90
15026	FOOD SERVICE AND LODGING MANAGERS	47	0.2	19.04
19005	GENERAL MANAGERS AND TOP EXECUTIVES	514	1.7	4.56
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	78	0.3	NA
20000	**PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL**	**901**	**2.9**	**NA**
21114	ACCOUNTANTS AND AUDITORS	60	0.2	14.55
21199	ALL OTHER FINANCIAL SPECIALISTS	1	0.0	NA
21302	WHOLESALE AND RETAIL BUYERS, EXC. FARM	299	1.0	18.23
21511	PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	77	0.3	9.44
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	24	0.1	NA
22199	ALL OTHER ENGINEERS	19	0.1	NA
22599	ALL OTHER ENGINEERING AND RELATED TECHNICIANS	4	0.0	NA
25102	SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	20	0.1	15.28
25105	COMPUTER PROGRAMMERS	16	0.1	10.15
34002	WRITERS AND EDITORS	13	0.0	17.92
34035	ARTISTS AND RELATED WORKERS	32	0.1	9.09
34038	DESIGNERS, EXCEPT INTERIOR DESIGNERS	26	0.1	15.74
34041	INTERIOR DESIGNERS	21	0.1	28.01
34044	MERCHANDISE DISPLAYERS AND WINDOW TRIMMERS	244	0.8	14.67
39999	ALL OTHER PROFESSIONAL, PARAPROFS., AND TECHNICAL	45	0.1	NA
40000	**SALES AND RELATED OCCUPATIONS**	**19,767**	**64.7**	**NA**
41002	FIRST LINE SUPERVISORS, SALES	1,535	5.0	3.41
49008	SALES REPS., EXCEPT SCIENTIFIC, RELATED, AND RETAIL	172	0.6	24.14
49011	SALESPERSONS, RETAIL	12,355	40.4	2.74
49014	SALESPERSONS, PARTS	87	0.3	12.75
49017	COUNTER AND RENTAL CLERKS	115	0.4	16.54
49021	STOCK CLERKS, SALES FLOOR	2838	9.3	9.64
49023	CASHIERS	1,872	6.1	7.08
49032	DEMONSTRATORS, PROMOTERS, AND MODELS	133	0.4	18.19
49999	ALL OTHER SALES AND RELATED WORKERS	660	2.2	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**4,603**	**15.1**	**NA**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	105	0.3	11.75
53114	CREDIT AUTHORIZERS	50	0.2	14.87
53117	CREDIT CHECKERS	25	0.1	15.18
53123	ADJUSTMENT CLERKS	672	2.2	5.74
53508	BILL AND ACCOUNT COLLECTORS	139	0.5	23.63
55100	SECRETARIES	97	0.3	9.23

ARIZONA ESTIMATED EMPLOYMENT
GENERAL MERCHANDISE STORES
(SIC 53)

		EMPLOYMENT JUNE 1988	PERCENT DISTRIB.	REL. ERROR
55305	RECEPTIONISTS AND INFORMATION CLERKS	91	0.3	11.35
55308	TYPISTS	13	0.0	23.70
55314	PERSONNEL CLERKS, EXCEPT PAYROLL	108	0.4	13.62
55321	FILE CLERKS	25	0.1	18.51
55323	ORDER CLERKS- MATERIALS, MERCHANDISE, AND SERVICE	162	0.5	10.30
55326	PROCUREMENT CLERKS	190	0.6	13.82
55338	BOOKKEEPING AND ACCOUNTING CLERKS	313	1.0	6.06
55341	PAYROLL AND TIMEKEEPING CLERKS	17	0.1	10.47
55347	GENERAL OFFICE CLERKS	712	2.3	5.24
56011	COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	12	0.0	12.07
56017	DATA ENTRY KEYERS, EXCEPT COMPOSING	135	0.4	7.85
56099	ALL OTHER OFFICE MACHINE OPERATORS	21	0.1	NA
57102	SWITCHBOARD OPERATORS	88	0.3	7.58
58005	DISPATCHERS, EXCEPT POLICE, FIRE, AND AMBULANCE	25	0.1	21.41
58021	MARKING CLERKS	360	1.2	9.70
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	733	2.4	5.76
58026	ORDER FILLERS, WHOLESALE AND RETAIL	80	0.3	7.70
58028	SHIPPING, RECEIVING, AND TRAFFIC CLERKS	322	1.1	8.75
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	26	0.1	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	82	0.3	NA
60000	**SERVICE OCCUPATIONS**	**1,965**	**6.4**	**NA**
61000	FIRST LINE SUPERVISORS AND MGR./SUPERS. -SERVICE	104	0.3	6.67
63035	DETECTIVES AND INVESTIGATORS, EXC. PUBLIC	215	0.7	6.24
63047	GUARDS AND WATCH GUARDS	132	0.4	9.85
65002	HOSTS AND HOSTESSES	32	0.1	15.89
65008	WAITERS AND WAITRESSES	187	0.6	16.65
65014	DINING ROOM AND CAFETERIA ATTENDANTS	27	0.1	25.73
65017	COUNTER ATTENDANTS, FOOD	109	0.4	14.07
65023	BUTCHERS AND MEAT CUTTERS	22	0.1	26.53
65026	COOKS, RESTAURANT	85	0.3	20.87
65035	COOKS, SHORT ORDER	20	0.1	38.98
65038	FOOD PREPARATION WORKERS	140	0.5	9.51
65041	COMBINED FOOD PREPARATION AND SERVICE WORKERS	96	0.3	39.66
65099	ALL OTHER FOOD SERVICE WORKERS	15	0.0	NA
66026	PHARMACY ASSISTANTS	27	0.1	14.05
67002	MAIDS AND HOUSEKEEPING CLEANERS	22	0.1	28.24
67005	JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	408	1.3	5.14
68005	HAIRDRESSERS AND COSMETOLOGISTS	268	0.9	18.11
69999	ALL OTHER SERVICE WORKERS	56	0.2	NA
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**2,233**	**7.3**	**NA**
81002	FIRST LINE SUPERS. -MECHS., INSTALLERS, & REPAIRERS	34	0.1	12.03
81017	FIRST LINE SUPERS. -HELPERS/LABORERS/MOVERS, HAND	42	0.1	6.34
81099	ALL OTHER FIRST LINE SUPERS. -PROD./CONST./MAINT.	20	0.1	NA
83099	ALL OTHER INSPECTORS, TESTERS, AND REL. OCCUPATIONS	7	0.0	NA

ARIZONA ESTIMATED EMPLOYMENT
GENERAL MERCHANDISE STORES
(SIC 53)

		EMPLOYMENT JUNE 1988	PERCENT DISTRIB.	REL. ERROR
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	86	0.3	9.46
85302	AUTOMOTIVE MECHANICS	344	1.1	11.26
85711	ELECTRIC APPLIANCE AND POWER TOOL REPAIRERS	193	0.6	19.38
85953	TIRE REPAIRERS AND CHANGERS	88	0.3	14.12
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	42	0.1	NA
87899	ALL OTHER CONSTRUCTION TRADES WORKERS	11	0.0	NA
87999	ALL OTHER CONSTR. & EXTRACTIVE WRKRS. EXC. HELPERS	19	0.1	NA
89399	ALL OTHER PRECISION WOODWORKERS	3	0.0	NA
89505	CUSTOM TAILORS AND SEWERS	62	0.2	8.88
89999	ALL OTHER PRECISION WORKERS	14	0.0	NA
92998	ALL OTHER MACHINE OPERATORS AND TENDERS	51	0.2	NA
93999	ALL OTHER HAND WORKERS	17	0.1	NA
97102	TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	44	0.1	26.95
97105	TRUCK DRIVERS, LIGHT -INCL. DELIVERY & ROUTE WRKRS.	24	0.1	12.28
97805	SERVICE STATION ATTENDANTS	39	0.1	37.88
97899	ALL OTHER TRANSPORTATION AND RELATED WORKERS	3	0.0	NA
97947	INDUSTRIAL TRUCK AND TRACTOR OPERATORS	134	0.4	0.95
98102	MECHANIC AND REPAIRER HELPERS	28	0.1	25.22
98700	FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	737	2.4	8.77
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	191	0.6	NA
	TOTAL OF ALL OCCUPATIONS	30,563	100.0	

ARIZONA ESTIMATED EMPLOYMENT
FOOD STORES
(SIC 54)

		EMPLOYMENT JUNE 1988	PERCENT DISTRIB.	REL. ERROR
10000	**MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS**	**1,491**	**3.3**	**NA**
13002	FINANCIAL MANAGERS	28	0.1	16.82
13005	PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	27	0.1	11.60
13008	PURCHASING MANAGERS	100	0.2	22.98
13011	MARKETING, ADVERTISING, AND PUBLIC RELATIONS MGRS.	32	0.1	14.77
13014	ADMINISTRATIVE SERVICES MANAGERS	22	0.0	9.41
13017	ENGINEERING, MATH., AND NATURAL SCIENCES MANAGERS	15	0.0	41.78
15023	COMMUNICATIONS, TRANSPORT. & UTIL. OPERATIONS. MGRS.	30	0.1	0.00
15026	FOOD SERVICE AND LODGING MANAGERS	46	0.1	4.84
19005	GENERAL MANAGERS AND TOP EXECUTIVES	911	2.0	7.47
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	280	0.6	NA
20000	**PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL**	**801**	**1.8**	**NA**
21114	ACCOUNTANTS AND AUDITORS	139	0.3	18.08
21199	ALL OTHER FINANCIAL SPECIALISTS	6	0.0	NA
21302	WHOLESALE AND RETAIL BUYERS, EXC. FARM	133	0.3	14.71
21305	PURCHASING AGENTS AND BUYERS, FARM PRODUCTS	16	0.0	21.00
21511	PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	43	0.1	3.64
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	59	0.1	NA
22199	ALL OTHER ENGINEERS	4	0.0	NA
22599	ALL OTHER ENGINEERING AND RELATED TECHNICIANS	5	0.0	NA
24599	ALL OTHER PHYSICAL AND LIFE SCIENCE TECHS.	1	0.0	NA
25102	SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	49	0.1	9.64
25105	COMPUTER PROGRAMMERS	33	0.1	4.75
25108	COMPUTER PROGRAMMER AIDES	24	0.1	0.00
32517	PHARMACISTS	165	0.4	0.88
32999	ALL OTHER HEALTH PROFESSIONALS, PARAPROFS., & TECHS.	14	0.0	NA
34035	ARTISTS AND RELATED WORKERS	29	0.1	43.22
34038	DESIGNERS, EXCEPT INTERIOR DESIGNERS	40	0.1	0.00
39999	ALL OTHER PROFESSIONAL, PARAPROFS., AND TECHNICAL	41	0.1	NA
40000	**SALES AND RELATED OCCUPATIONS**	**23,846**	**52.2**	**NA**
41002	FIRST LINE SUPERVISORS, SALES	1,605	3.5	4.46
49011	SALESPERSONS, RETAIL	3,285	7.2	12.60
49017	COUNTER AND RENTAL CLERKS	155	0.3	7.74
49021	STOCK CLERKS, SALES FLOOR	3512	7.7	5.87
49023	CASHIERS	15,147	33.1	3.69
49999	ALL OTHER SALES AND RELATED WORKERS	142	0.3	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**2,446**	**5.4**	**NA**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	138	0.3	8.45
53123	ADJUSTMENT CLERKS	19	0.0	21.91
55100	SECRETARIES	217	0.5	10.92
55305	RECEPTIONISTS AND INFORMATION CLERKS	17	0.0	10.83
55314	PERSONNEL CLERKS, EXCEPT PAYROLL	24	0.1	31.51
55338	BOOKKEEPING AND ACCOUNTING CLERKS	554	1.2	5.18

ARIZONA ESTIMATED EMPLOYMENT
FOOD STORES
(SIC 54)

		EMPLOYMENT JUNE 1988	PERCENT DISTRIB.	REL. ERROR
55341	PAYROLL AND TIMEKEEPING CLERKS	33	0.1	8.41
55344	BILLING, COST AND RATE CLERKS	26	0.1	0.00
55347	GENERAL OFFICE CLERKS	531	1.2	5.38
56011	COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	27	0.1	24.13
56017	DATA ENTRY KEYERS, EXCEPT COMPOSING	24	0.1	31.66
56099	ALL OTHER OFFICE MACHINE OPERATORS	13	0.0	NA
57199	ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	4	0.0	NA
58021	MARKING CLERKS	28	0.1	15.48
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	438	1.0	12.83
58026	ORDER FILLERS, WHOLESALE AND RETAIL	126	0.3	37.51
58028	SHIPPING, RECEIVING, AND TRAFFIC CLERKS	105	0.2	22.60
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	34	0.1	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	88	0.2	NA
60000	**SERVICE OCCUPATIONS**	**9,468**	**20.7**	**NA**
61000	FIRST LINE SUPERVISORS AND MGR./SUPERS. -SERVICE	443	1.0	5.39
63035	DETECTIVES AND INVESTIGATORS, EXC. PUBLIC	89	0.2	5.19
63047	GUARDS AND WATCH GUARDS	25	0.1	15.72
65008	WAITERS AND WAITRESSES	482	1.1	4.99
65014	DINING ROOM AND CAFETERIA ATTENDANTS	147	0.3	1.75
65017	COUNTER ATTENDANTS, FOOD	401	0.9	14.38
65021	BAKERS, BREAD AND PASTRY	628	1.4	5.17
65023	BUTCHERS AND MEAT CUTTERS	1,595	3.5	5.61
65026	COOKS, RESTAURANT	109	0.2	4.30
65038	FOOD PREPARATION WORKERS	1,021	2.2	8.88
65041	COMBINED FOOD PREPARATION AND SERVICE WORKERS	1,542	3.4	9.11
65099	ALL OTHER FOOD SERVICE WORKERS	863	1.9	NA
66026	PHARMACY ASSISTANTS	50	0.1	0.89
67005	JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	847	1.9	3.55
67099	ALL OTHER CLEANING/BLDG. SERVICE, EXC. PRIV. HOUSE	49	0.1	NA
69999	ALL OTHER SERVICE WORKERS	1,177	2.6	NA
70000	**AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS**	**5**	**0.0**	**NA**
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**7,654**	**16.7**	**NA**
81002	FIRST LINE SUPERS. -MECHS., INSTALLERS, & REPAIRERS	14	0.0	33.76
81017	FIRST LINE SUPERS. -HELPERS/LABORERS/MOVERS, HAND	26	0.1	18.08
81099	ALL OTHER FIRST LINE SUPERS. -PROD./CONST./MAINT.	15	0.0	NA
85110	MACHINERY MAINTENANCE MECHANICS	38	0.1	0.00
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	116	0.3	7.30
85311	BUS AND TRUCK MECHS. AND DIESEL ENGINE SPECIALISTS	40	0.1	35.39
85902	HEATING, A/C, AND REFRIGERATION MECHS. & INSTALLERS	23	0.1	6.81
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	37	0.1	NA
87899	ALL OTHER CONSTRUCTION TRADES WORKERS	24	0.1	NA
89999	ALL OTHER PRECISION WORKERS	13	0.0	NA

ARIZONA ESTIMATED EMPLOYMENT
FOOD STORES
(SIC 54)

		EMPLOYMENT JUNE 1988	PERCENT DISTRIB.	REL. ERROR
92997	ALL OTHER MACHINE SETTERS AND SET-UP OPERATORS	7	0.0	NA
92998	ALL OTHER MACHINE OPERATORS AND TENDERS	38	0.1	NA
93999	ALL OTHER HAND WORKERS	21	0.0	NA
97102	TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	366	0.8	22.69
97105	TRUCK DRIVERS, LIGHT -INCL. DELIVERY & ROUTE WRKRS.	81	0.2	30.86
97117	DRIVER/SALES WORKERS	91	0.2	33.59
97899	ALL OTHER TRANSPORTATION AND RELATED WORKERS	19	0.0	NA
98700	FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	5,141	11.2	3.44
98902	HAND PACKERS AND PACKAGERS	1,258	2.8	5.10
98905	VEHICLE WASHERS AND EQUIPMENT CLEANERS	14	0.0	21.89
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	272	0.6	NA
	TOTAL OF ALL OCCUPATIONS	**45,711**	**100.0**	

ARIZONA ESTIMATED EMPLOYMENT
AUTOMOTIVE DEALERS AND GASOLINE SERVICE STATIONS
(SIC 55)

		EMPLOYMENT JUNE 1988	PERCENT DISTRIB.	REL. ERROR
10000	**MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS**	**1,827**	**5.3**	**NA**
13002	FINANCIAL MANAGERS	109	0.3	13.82
13005	PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	15	0.0	37.02
13008	PURCHASING MANAGERS	19	0.1	30.63
13011	MARKETING, ADVERTISING, AND PUBLIC RELATIONS MGRS.	568	1.7	10.61
13014	ADMINISTRATIVE SERVICES MANAGERS	19	0.1	26.22
19005	GENERAL MANAGERS AND TOP EXECUTIVES	935	2.7	5.82
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	162	0.5	NA
20000	**PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL**	**300**	**0.9**	**NA**
21114	ACCOUNTANTS AND AUDITORS	108	0.3	13.82
21199	ALL OTHER FINANCIAL SPECIALISTS	77	0.2	NA
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	59	0.2	NA
22199	ALL OTHER ENGINEERS	1	0.0	NA
22599	ALL OTHER ENGINEERING AND RELATED TECHNICIANS	27	0.1	NA
25105	COMPUTER PROGRAMMERS	12	0.0	36.74
39999	ALL OTHER PROFESSIONAL, PARAPROFS., AND TECHNICAL	16	0.0	NA
40000	**SALES AND RELATED OCCUPATIONS**	**14,373**	**41.9**	**NA**
41002	FIRST LINE SUPERVISORS, SALES	1,918	5.6	6.13
49008	SALES REPS., EXCEPT SCIENTIFIC, RELATED, AND RETAIL	969	2.8	22.49
49011	SALESPERSONS, RETAIL	4,567	13.3	5.86
49014	SALESPERSONS, PARTS	3,106	9.0	13.55
49017	COUNTER AND RENTAL CLERKS	78	0.2	30.35
49021	STOCK CLERKS, SALES FLOOR	23	0.1	48.02
49023	CASHIERS	3,655	10.6	5.68
49999	ALL OTHER SALES AND RELATED WORKERS	57	0.2	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**4,064**	**11.8**	**NA**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	341	1.0	8.48
53123	ADJUSTMENT CLERKS	45	0.1	25.48
53508	BILL AND ACCOUNT COLLECTORS	23	0.1	30.87
55100	SECRETARIES	375	1.1	9.48
55305	RECEPTIONISTS AND INFORMATION CLERKS	41	0.1	22.51
55308	TYPISTS	10	0.0	40.93
55314	PERSONNEL CLERKS, EXCEPT PAYROLL	11	0.0	47.66
55321	FILE CLERKS	34	0.1	22.31
55323	ORDER CLERKS- MATERIALS, MERCHANDISE, AND SERVICE	151	0.4	22.04
55338	BOOKKEEPING AND ACCOUNTING CLERKS	1,066	3.1	6.11
55341	PAYROLL AND TIMEKEEPING CLERKS	50	0.1	18.15
55344	BILLING, COST AND RATE CLERKS	130	0.4	19.54
55347	GENERAL OFFICE CLERKS	812	2.4	9.90
56011	COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	38	0.1	29.22
56017	DATA ENTRY KEYERS, EXCEPT COMPOSING	42	0.1	24.23
56099	ALL OTHER OFFICE MACHINE OPERATORS	3	0.0	NA
57102	SWITCHBOARD OPERATORS	159	0.5	9.93

ARIZONA ESTIMATED EMPLOYMENT
AUTOMOTIVE DEALERS AND GASOLINE SERVICE STATIONS
(SIC 55)

		EMPLOYMENT JUNE 1988	PERCENT DISTRIB.	REL. ERROR
58005	DISPATCHERS, EXCEPT POLICE, FIRE, AND AMBULANCE	94	0.3	14.53
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	362	1.1	21.72
58028	SHIPPING, RECEIVING, AND TRAFFIC CLERKS	18	0.1	25.33
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	125	0.4	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	134	0.4	NA
60000	**SERVICE OCCUPATIONS**	**788**	**2.3**	**N**
61000	FIRST LINE SUEPRVISORS AND MGR./SUPERS.-SERVICE	35	0.1	23.
63099	ALL OTHER PROTECTIVE SERVICE WORKERS	27	0.1	NA
65008	WAITERS AND WAITRESSES	254	0.7	3.97
65026	COOKS, RESTAURANT	41	0.1	10.24
65035	COOKS, SHORT ORDER	67	0.2	8.15
65038	FOOD PREPARATION WORKERS	79	0.2	7.20
65041	COMBINED FOOD PREPARATION AND SERVICE WORKERS	27	0.1	27.42
65099	ALL OTHER FOOD SERVICE WORKERS	65	0.2	NA
67005	JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	182	0.5	15.25
67099	ALL OTHER CLEANING/BLDG. SERVICE, EXC. PRIV. HOUSE	3	0.0	NA
69999	ALL OTHER SERVICE WORKERS	8	0.0	NA
70000	**AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS**	**14**	**0.0**	**NA**
79014	GARDENERS AND GROUNDSKEEPERS, EXC. FARM	14	0.0	NA
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**12,978**	**37.8**	**NA**
81002	FIRST LINE SUPERS.-MECHS., INSTALLERS, AND REPAIRERS	785	2.3	9.34
81017	FIRST LINE SUPERS. -HELPERS/LABORERS/MOVERS, HAND	14	0.0	36.25
81099	ALL OTHER FIRST LINE SUPERS. -PROD./CONST./MAINT.	17	0.0	NA
83005	PRODUCTION INSPECTORS, TESTERS, GRADERS, AND SORTERS	25	0.1	39.85
83099	ALL OTHER INSPECTORS, TESTERS, AND REL. OCCUPATIONS	27	0.1	NA
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	123	0.4	27.69
85302	AUTOMOTIVE MECHANICS	4,513	13.1	5.13
85305	AUTOMOTIVE BODY AND RELATED REPAIRERS	685	2.0	8.17
85308	MOTORCYCLE REPAIRERS	174	0.5	12.02
85311	BUS AND TRUCK MECHS. AND DIESEL ENGINE SPECIALISTS	58	0.2	23.31
85328	SMALL ENGINE SPECIALISTS	93	0.3	20.48
85799	ALL OTHER ELEC. & ELECTR. EQUIP. MECH./INSTALL./REP.	20	0.1	NA
85938	INSTALLERS AND REPAIRERS -MANUFACTURED BUILDINGS	70	0.2	31.60
85953	TIRE REPAIRERS AND CHANGERS	1,250	3.6	21.96
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	169	0.5	NA
87899	ALL OTHER CONSTRUCTION TRADES WORKERS	33	0.1	NA
89108	MACHINISTS	94	0.3	34.00
89599	ALL OTHER PRECISION TEXTILE, APPAREL, & FURNISHINGS	1	0.0	NA
92998	ALL OTHER MACHINE OPERATORS AND TENDERS	128	0.4	NA
93999	ALL OTHER HAND WORKERS	216	0.6	NA
97102	TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	199	0.6	31.11
97105	TRUCK DRIVERS, LIGHT -INCL. DELIVERY & ROUTE WRKRS.	696	2.0	15.48
97199	ALL OTHER MOTOR VEHICLE OPERATORS	35	0.1	NA

ARIZONA ESTIMATED EMPLOYMENT
AUTOMOTIVE DEALERS AND GASOLINE SERVICE STATIONS
(SIC 55)

		EMPLOYMENT JUNE 1986	PERCENT DISTRIB.	REL. ERROR
97805	SERVICE STATION ATTENDANTS	1,451	4.2	13.36
97899	ALL OTHER TRANSPORTATION AND RELATED WORKERS	91	0.3	NA
98102	MECHANIC AND REPAIRER HELPERS	515	1.5	17.97
98700	FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	56	0.2	10.75
98905	VEHICLE WASHERS AND EQUIPMENT CLEANERS	1,106	3.2	8.05
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	334	1.0	NA
	TOTAL OF ALL OCCUPATIONS	34,344	100.0	

ARIZONA ESTIMATED EMPLOYMENT
APPAREL AND ACCESSORIES STORES
(SIC 56)

		EMPLOYMENT JUNE 1988	PERCENT DISTRIB.	REL. ERROR
10000	**MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS**	**521**	**4.6**	**NA**
13008	PURCHASING MANAGERS	30	0.3	22.33
19005	GENERAL MANAGERS AND TOP EXECUTIVES	433	3.8	14.15
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	58	0.5	NA
20000	**PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL**	**112**	**1.0**	**NA**
21114	ACCOUNTANTS AND AUDITORS	21	0.2	42.49
21302	WHOLESALE AND RETAIL BUYERS, EXC. FARM	69	0.6	36.68
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	1	0.0	NA
39999	ALL OTHER PROFESSIONAL, PARAPROFS., AND TECHNICAL	21	0.2	NA
40000	**SALES AND RELATED OCCUPATIONS**	**9,741**	**85.4**	**NA**
41002	FIRST LINE SUPERVISORS, SALES	1,469	12.9	8.53
49011	SALESPERSONS, RETAIL	7,745	67.9	2.95
49021	STOCK CLERKS, SALES FLOOR	277	2.4	36.82
49023	CASHIERS	200	1.8	21.34
49999	ALL OTHER SALES AND RELATED WORKERS	50	0.4	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**440**	**3.9**	**NA**
55100	SECRETARIES	41	0.4	43.33
55338	BOOKKEEPING AND ACCOUNTING CLERKS	152	1.3	24.05
55347	GENERAL OFFICE CLERKS	60	0.5	28.92
56099	ALL OTHER OFFICE MACHINE OPERATORS	15	0.1	NA
58028	SHIPPING, RECEIVING, AND TRAFFIC CLERKS	98	0.9	23.77
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	26	0.2	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	48	0.4	NA
60000	**SERVICE OCCUPATIONS**	**64**	**0.6**	**NA**
61099	ALL OTHER SERVICE SUPERVISORS AND MGR./SUPERVISORS	3	0.0	NA
63099	ALL OTHER PROECTIVE SERVICE WORKERS	9	0.1	NA
67005	JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	42	0.4	33.17
69999	ALL OTHER SERVICE WORKERS	10	0.1	NA
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**524**	**4.6**	**NA**
81099	ALL OTHER FIRST LINE SUPERS.-PROD./CONST./MAINT.	4	0.0	NA
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	1	0.0	NA
89505	CUSTOM TAILORS AND SEWERS	242	2.1	31.52
89599	ALL OTHER PRECISION TEXTILE, APPAREL, & FURNISHINGS	11	0.1	NA
89999	ALL OTHER PRECISION WORKERS	19	0.2	NA
92998	ALL OTHER MACHINE OPERATORS AND TENDERS	83	0.7	NA
93999	ALL OTHER HAND WORKERS	77	0.7	NA
97199	ALL OTHER MOTOR VEHICLE OPERATORS	11	0.1	NA
98700	FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	66	0.6	26.67
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	10	0.1	NA
	TOTAL OF ALL OCCUPATIONS	**11,402**	**100.0**	

ARIZONA ESTIMATED EMPLOYMENT
FURNITURE, HOME FURNSIHINGS, AND EQUIPMENT STORES
(SIC 57)

		EMPLOYMENT JUNE 1988	PERCENT DISTRIB.	REL. ERROR
10000	**MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS**	**946**	**7.9**	**NA**
13002	FINANCIAL MANAGERS	14	0.1	NA
13008	PURCHASING MANAGERS	62	0.5	38.46
15023	COMMUNICATIONS, TRANSPORT. & UTIL. OPERATIONS. MGRS.	26	0.2	42.89
19005	GENERAL MANAGERS AND TOP EXECUTIVES	749	6.3	10.59
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	95	0.8	NA
20000	**PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL**	**474**	**4.0**	**NA**
21114	ACCOUNTANTS AND AUDITORS	37	0.3	43.43
21199	ALL OTHER FINANCIAL SPECIALISTS	6	0.1	NA
21302	WHOLESALE AND RETAIL BUYERS, EXC. FARM	51	0.4	21.90
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	43	0.4	NA
22199	ALL OTHER ENGINEERS	6	0.1	NA
22599	ALL OTHER ENGINEERING AND RELATED TECHNICIANS	48	0.4	NA
34041	INTERIOR DESIGNERS	169	1.4	20.98
39999	ALL OTHER PROFESSIONAL, PARAPROFS., AND TECHNICAL	114	1.0	NA
40000	**SALES AND RELATED OCCUPATIONS**	**5,535**	**46.2**	**NA**
41002	FIRST LINE SUPERVISORS, SALES	769	6.4	13.22
49008	SALES REPS., EXCEPT SCIENTIFIC, RELATED, AND RETAIL	318	2.7	41.28
49011	SALESPERSONS, RETAIL	3,605	30.1	8.99
49021	STOCK CLERKS, SALES FLOOR	80	0.7	38.14
49023	CASHIERS	544	4.5	34.69
49999	ALL OTHER SALES AND RELATED WORKERS	219	1.8	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**2,130**	**17.8**	**NA**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	263	2.2	23.38
53123	ADJUSTMENT CLERKS	47	0.4	14.33
53508	BILL AND ACCOUNT COLLECTORS	39	0.3	30.25
55100	SECRETARIES	215	1.8	39.86
55305	RECEPTIONISTS AND INFORMATION CLERKS	84	0.7	41.49
55323	ORDER CLERKS- MATERIALS, MERCHANDISE, AND SERVICE	40	0.3	24.08
55338	BOOKKEEPING AND ACCOUNTING CLERKS	324	2.7	13.95
55344	BILLING, COST AND RATE CLERKS	45	0.4	14.02
55347	GENERAL OFFICE CLERKS	565	4.7	23.05
56017	DATA ENTRY KEYERS, EXCEPT COMPOSING	33	0.3	32.48
56099	ALL OTHER OFFICE MACHINE OPERATORS	9	0.1	NA
57102	SWITCHBOARD OPERATORS	12	0.1	18.91
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	164	1.4	36.66
58026	ORDER FILLERS, WHOLESALE AND RETAIL	105	0.9	49.46
58028	SHIPPING, RECEIVING, AND TRAFFIC CLERKS	149	1.2	28.39
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	36	0.3	NA
60000	**SERVICE OCCUPATIONS**	**66**	**0.6**	**NA**
63099	ALL OTHER PROTECTIVE SERVICE WORKERS	6	0.1	NA
67099	ALL OTHER CLEANING/BLDG. SERVICE, EXC. PRIV. HOUSE	60	0.5	NA

ARIZONA ESTIMATED EMPLOYMENT
FURNITURE, HOME FURNSIHINGS, AND EQUIPMENT STORES
(SIC 57)

		EMPLOYMENT JUNE 1988	PERCENT DISTRIB.	REL. ERROR
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**2,818**	**23.5**	**NA**
81002	FIRST LINE SUPERS. -MECHS., INSTALLERS, & REPAIRERS	27	0.2	33.41
81017	FIRST LINE SUPERS. -HELPERS/LABORERS/MOVERS, HAND	34	0.3	47.80
81099	ALL OTHER FIRST LINE SUPERS. -PROD./CONST./MAINT.	38	0.3	NA
85708	HOME ENTERTAINMENT EQUIPMENT REPAIRERS	168	1.4	38.09
85711	ELECTRIC APPLIANCE AND POWER TOOL REPAIRERS	51	0.4	18.31
85799	ALL OTHER ELEC. & ELECTR. EQUIP. MECH./INSTALL./REP.	52	0.4	NA
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	292	2.4	NA
87602	CARPET INSTALLERS	127	1.1	20.89
87605	FLOOR LAYERS	27	0.2	29.34
87999	ALL OTHER CONSTR. & EXTRACTIVE WRKRS. EXC. HELPERS	37	0.3	NA
89199	ALL OTHER PRECISION METAL WORKERS	35	0.3	NA
89311	CABINETMAKERS AND BENCH CARPENTERS	516	4.3	27.05
89314	FURNITURE FINISHERS	38	0.3	38.85
89399	ALL OTHER PRECISION WOODWORKERS	22	0.2	NA
89508	UPHOLSTERERS	40	0.3	47.34
89999	ALL OTHER PRECISION WORKERS	4	0.0	NA
92998	ALL OTHER MACHINE OPERATORS AND TENDERS	206	1.7	NA
93956	ASSEMBLERS/FABRICATORS -EXC. MACH./ELECT./PRECISION	135	1.1	40.23
93999	ALL OTHER HAND WORKERS	2	0.0	NA
97102	TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	27	0.2	35.92
97105	TRUCK DRIVERS, LIGHT -INCL. DELIVERY & ROUTE WRKRS.	442	3.7	18.14
97199	ALL OTHER MOTOR VEHICLE OPERATORS	4	0.0	NA
97947	INDUSTRIAL TRUCK AND TRACTOR OPERATORS	51	0.4	24.67
98700	FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	333	2.8	26.39
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	110	0.9	NA
	TOTAL OF ALL OCCUPATIONS	**11,969**	**100.0**	

ARIZONA ESTIMATED EMPLOYMENT
EATING AND DRINKING PLACES
(SIC 58)

		EMPLOYMENT JUNE 1988	PERCENT DISTRIB.	REL. ERROR
10000	**MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS**	**4,042**	**4.0**	**NA**
15026	FOOD SERVICE AND LODGING MANAGERS	2,887	2.9	23.59
19005	GENERAL MANAGERS AND TOP EXECUTIVES	982	1.0	36.22
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	173	0.2	NA
20000	**PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL**	**274**	**0.3**	**NA**
21199	ALL OTHER FINANCIAL SPECIALISTS	56	0.1	NA
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	93	0.1	NA
22199	ALL OTHER ENGINEERS	2	0.0	NA
22599	ALL OTHER ENGINEERING AND RELATED TECHNICIANS	4	0.0	NA
39999	ALL OTHER PROFESSIONAL, PARAPROFS., AND TECHNICAL	119	0.1	NA
40000	**SALES AND RELATED OCCUPATIONS**	**5,367**	**5.3**	**NA**
49023	CASHIERS	3,607	3.6	49.14
49999	ALL OTHER SALES AND RELATED WORKERS	1,760	1.7	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**1,494**	**1.5**	**NA**
55338	BOOKKEEPING AND ACCOUNTING CLERKS	534	0.5	49.61
56099	ALL OTHER OFFICE MACHINE OPERATORS	43	0.0	NA
57199	ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	9	0.0	NA
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	146	0.1	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	762	0.8	NA
60000	**SERVICE OCCUPATIONS**	**87,622**	**86.6**	**NA**
61000	FIRST LINE SUPERVISORS AND MGR./SUPERS. -SERVICE	5,276	5.2	24.71
63099	ALL OTHER PROTECTIVE SERVICE WORKERS	118	0.1	NA
65002	HOSTS AND HOSTESSES	2,787	2.8	33.68
65005	BARTENDERS	4,296	4.2	42.75
65008	WAITERS AND WAITRESSES	17,072	16.9	26.33
65014	DINING ROOM AND CAFETERIA ATTENDANTS	4,827	4.8	35.68
65026	COOKS, RESTAURANT	6,857	6.8	25.01
65032	COOKS, SPECIALTY FAST FOOD	6,716	6.6	36.52
65038	FOOD PREPARATION WORKERS	11,027	10.9	40.11
65041	COMBINED FOOD PREPARATION AND SERVICE WORKERS	22,131	21.9	5.08
65099	ALL OTHER FOOD SERVICE WORKERS	5,886	5.8	NA
67099	ALL OTHER CLEANING/BLDG. SERVICE, EXC. PRIV. HOUSE	606	0.6	NA
69999	ALL OTHER SERVICE WORKERS	23	0.0	NA
70000	**AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS**	**2**	**0.0**	**NA**
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**2,399**	**2.4**	**NA**
81099	ALL OTHER FIRST LINE SUPERS. -PROD./CONST./MAINT.	18	0.0	NA
83099	ALL OTHER INSPECTORS, TESTERS, AND REL. OCCUPATIONS	3	0.0	NA
85119	ALL OTHER MACHINERY MAINTENANCE MECHANICS	2	0.0	NA
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	213	0.2	NA
92998	ALL OTHER MACHINE OPERATORS AND TENDERS	23	0.0	NA
97117	DRIVER/SALES WORKERS	719	0.7	47.84

ARIZONA ESTIMATED EMPLOYMENT
EATING AND DRINKING PLACES
(SIC 58)

		EMPLOYMENT JUNE 1988	PERCENT DISTRIB.	REL. ERROR
97199	ALL OTHER MOTOR VEHICLE OPERATORS	1,385	1.4	NA
97899	ALL OTHER TRANSPORTATION AND RELATED WORKERS	3	0.0	NA
98799	ALL OTHER FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	17	0.0	NA
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	16	0.0	NA
	TOTAL OF ALL OCCUPATIONS	**101,200**	**100.0**	

ARIZONA ESTIMATED EMPLOYMENT
MISCELLANEOUS RETAIL
(SIC 59)

		EMPLOYMENT JUNE 1988	PERCENT DISTRIB.	REL. ERROR
10000	**MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS**	**1,608**	**4.5**	**NA**
13008	PURCHASING MANAGERS	176	0.5	24.42
19005	GENERAL MANAGERS AND TOP EXECUTIVES	1,204	3.4	14.96
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	228	0.6	NA
20000	**PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL**	**3,350**	**9.3**	**NA**
21114	ACCOUNTANTS AND AUDITORS	125	0.3	31.05
21302	WHOLESALE AND RETAIL BUYERS, EXC. FARM	297	0.8	35.38
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	53	0.1	NA
22199	ALL OTHER ENGINEERS	44	0.1	NA
22599	ALL OTHER ENGINEERING AND RELATED TECHNICIANS	84	0.2	NA
32517	PHARMACISTS	992	2.8	5.90
32999	ALL OTHER HEALTH PROFESSIONALS, PARAPROFS., & TECHS.	108	0.3	NA
34038	DESIGNERS, EXCEPT INTERIOR DESIGNERS	1,206	3.4	20.57
39999	ALL OTHER PROFESSIONAL, PARAPROFS., AND TECHNICAL	441	1.2	NA
40000	**SALES AND RELATED OCCUPATIONS**	**21,914**	**61.0**	**NA**
41002	FIRST LINE SUPERVISORS, SALES	3,399	9.5	16.97
49005	SALES REPS., SCIEN. & REL. PROD. & SVCS.-EXC. RETAIL	326	0.9	25.40
49011	SALESPERSONS, RETAIL	10,774	30.0	6.12
49021	STOCK CLERKS, SALES FLOOR	1,569	4.4	8.08
49023	CASHIERS	4,181	11.6	7.65
49999	ALL OTHER SALES AND RELATED WORKERS	1,665	4.6	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**4,316**	**12.0**	**NA**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	202	0.6	26.95
53114	CREDIT AUTHORIZERS	62	0.2	44.55
53117	CREDIT CHECKERS	51	0.1	43.23
55100	SECRETARIES	347	1.0	25.45
55321	FILE CLERKS	32	0.1	34.26
55338	BOOKKEEPING AND ACCOUNTING CLERKS	780	2.2	22.06
55347	GENERAL OFFICE CLERKS	607	1.7	20.02
56011	COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	37	0.1	26.97
56099	ALL OTHER OFFICE MACHINE OPERATORS	130	0.4	NA
57102	SWITCHBOARD OPERATORS	231	0.6	33.60
58008	PRODUCTION, PLANNING, AND EXPEDITING CLERKS	44	0.1	34.85
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	285	0.8	49.95
58026	ORDER FILLERS, WHOLESALE AND RETAIL	201	0.6	46.36
58028	SHIPPING, RECEIVING, AND TRAFFIC CLERKS	511	1.4	38.27
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	55	0.2	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	741	2.1	NA
60000	**SERVICE OCCUPATIONS**	**633**	**1.8**	**NA**
61099	ALL OTHER SERVICE SUPERVISORS AND MGR./SUPERVISORS	5	0.0	NA
63099	ALL OTHER PROTECTIVE SERVICE WORKERS	33	0.1	NA
65008	WAITERS AND WAITRESSES	28	0.1	28.81
65026	COOKS, RESTAURANT	12	0.0	46.60

ARIZONA ESTIMATED EMPLOYMENT
MISCELLANEOUS RETAIL
(SIC 59)

		EMPLOYMENT JUNE 1988	PERCENT DISTRIB.	REL. ERROR
65099	ALL OTHER FOOD SERVICE WORKERS	78	0.2	NA
66026	PHARMACY ASSISTANTS	264	0.7	9.74
67005	JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	125	0.3	30.77
67099	ALL OTHER CLEANING/BLDG. SERVICE, EXC. PRIV. HOUSE	53	0.1	NA
69999	ALL OTHER SERVICE WORKERS	35	0.1	NA
70000	**AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS**	**41**	**0.1**	**NA**
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**4,062**	**11.3**	**NA**
81099	ALL OTHER FIRST LINE SUPERS. -PROD./CONST./MAINT.	72	0.2	NA
83099	ALL OTHER INSPECTORS, TESTERS, AND REL. OCCUPATIONS	2	0.0	NA
85799	ALL OTHER ELEC. & ELECTR. EQUIP. MECH./INSTALL./REP.	9	0.0	NA
85944	GAS APPLIANCE REPAIRERS	46	0.1	5.97
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	744	2.1	NA
87899	ALL OTHER CONSTRUCTION TRADES WORKERS	16	0.0	NA
87999	ALL OTHER CONSTR. & EXTRACTIVE WRKRS. EXC. HELPERS	44	0.1	NA
89123	JEWELERS AND SILVERSMITHS	105	0.3	46.54
89399	ALL OTHER PRECISION WOODWORKERS	15	0.0	NA
89599	ALL OTHER PRECISION TEXTILE, APPAREL, & FURNISHINGS	26	0.1	NA
89999	ALL OTHER PRECISION WORKERS	300	0.8	NA
92997	ALL OTHER MACHINE SETTERS AND SET-UP OPERATORS	2	0.0	NA
92998	ALL OTHER MACHINE OPERATORS AND TENDERS	125	0.3	NA
93999	ALL OTHER HAND WORKERS	263	0.7	NA
97102	TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	131	0.4	48.66
97105	TRUCK DRIVERS, LIGHT -INCL. DELIVERY & ROUTE WRKRS.	685	1.9	18.57
97199	ALL OTHER MOTOR VEHICLE OPERATORS	465	1.3	NA
97805	SERVICE STATION ATTENDANTS	12	0.0	20.68
97899	ALL OTHER TRANSPORTATION AND RELATED WORKERS	7	0.0	NA
97989	ALL OTHER TRANSP. AND MATRL. MOVING EQUIP. OPERATORS	22	0.1	NA
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	971	2.7	NA
	TOTAL OF ALL OCCUPATIONS	35,924	100.0	

OCCUPATIONAL EMPLOYMENT

IN

EDUCATIONAL SERVICES

ARIZONA ESTIMATED EMPLOYMENT
EDUCATIONAL SERVICES
(SIC 82)

		EMPLOYMENT APRIL 1988	PERCENT DISTRIB.	REL. ERROR
10000	**MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS**	**4,832**	**3.9**	**NA**
13002	FINANCIAL MANAGERS	127	0.1	5.13
13005	PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	80	0.1	10.51
13008	PURCHASING MANAGERS	60	0.0	6.96
13011	MARKETING, ADVERTISING, AND PUBLIC RELATIONS MGRS.	62	0.1	3.58
13014	ADMINISTRATIVE SERVICES MANAGERS	106	0.1	8.54
13017	ENGINEERING, MATH., AND NATURAL SCIENCES MANAGERS	177	0.1	0.00
15005	EDUCATION ADMINISTRATORS	2,943	2.4	3.02
15017	CONSTRUCTION MANAGERS	55	0.0	0.00
15023	COMMUNICATIONS, TRANSPORT. & UTIL. OPERATIONS. MGRS.	146	0.1	3.79
15026	FOOD SERVICE AND LODGING MANAGERS	42	0.0	6.27
19005	GENERAL MANAGERS AND TOP EXECUTIVES	879	0.7	4.50
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	155	0.1	NA
20000	**PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL**	**77,067**	**62.2**	**NA**
21114	ACCOUNTANTS AND AUDITORS	210	0.2	2.37
21117	BUDGET ANALYSTS	22	0.0	0.00
21199	ALL OTHER FINANCIAL SPECIALISTS	211	0.2	NA
21308	PURCHASING AGENTS -EXC. WHOLESALE, RETAIL, AND FARM	44	0.0	2.05
21511	PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	142	0.1	7.83
21911	COMPLIANCE AND ENFORCEMENT INSPECTORS, EXC. CONST.	227	0.2	6.46
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	422	0.3	NA
22100	ENGINEERS	86	0.1	0.00
22500	ENGINEERING & RELATED TECHNICIANS & TECHNOLOGISTS	195	0.2	0.00
24100	PHYSICAL SCIENTISTS	87	0.1	0.00
24300	LIFE SCIENTISTS	278	0.2	0.00
24500	PHYSICAL AND LIFE SCIENCE TECHNICIANS	627	0.5	0.00
25102	SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	225	0.2	0.00
25105	COMPUTER PROGRAMMERS	165	0.1	0.00
25108	COMPUTER PROGRAMMER AIDES	86	0.1	0.00
25310	MATHEMATICAL SCIENTISTS	49	0.0	7.52
27105	URBAN AND REGIONAL PLANNERS	21	0.0	0.00
27108	PSYCHOLOGISTS	429	0.3	3.48
27199	ALL OTHER SOCIAL SCIENTISTS	38	0.0	NA
27302	SOCIAL WORKERS, MEDICAL AND PSYCHIATRIC	19	0.0	22.42
27305	SOCIAL WORKERS, EXC. MEDICAL AND PSYCHIATRIC	589	0.5	8.16
31114	NURSING INSTRUCTORS, POSTSECONDARY	326	0.3	0.00
31117	GRADUATE ASSISTANTS, TEACHING	4,343	3.5	0.21
31202	LIFE SCIENCES TEACHERS, POSTSECONDARY	732	0.6	0.00
31204	CHEMISTRY TEACHERS, POSTSECONDARY	194	0.2	0.00
31206	PHYSICS TEACHERS, POSTSECONDARY	148	0.1	0.00
31209	ALL OTHER PHYSICAL SCIENCE TEACHERS, POSTSECONDARY	182	0.1	NA
31210	SOCIAL SCIENCE TEACHERS, POSTSECONDARY	985	0.8	0.82
31212	HEALTH SPECIALTIES TEACHERS, POSTSECONDARY	286	0.2	0.00
31216	ENGLISH/FOREIGN LANGUAGE TEACHERS, POSTSECONDARY	790	0.6	2.42

ARIZONA ESTIMATED EMPLOYMENT
EDUCATIONAL SERVICES
(SIC 82)

		EMPLOYMENT APRIL 1988	PERCENT DISTRIB.	REL. ERROR
31218	ART, DRAMA, AND MUSIC TEACHERS, POSTSECONDARY	541	0.4	0.15
31222	ENGINEERING SCHOOLS, POSTSECONDARY	591	0.5	2.72
31224	MATHEMATICAL SCIENCES TEACHERS, POSTSECONDARY	451	0.4	0.37
31226	COMPUTER SCIENCE TEACHERS, POSTSECONDARY	566	0.5	6.76
31299	ALL OTHER POSTSECONDARY TEACHERS	3,467	2.8	NA
31302	TEACHERS, PRESCHOOL AND KINDERGARTEN	1,465	1.2	4.16
31305	TEACHERS, ELEMENTARY SCHOOL	15,067	12.2	2.66
31308	TEACHERS, SECONDARY SCHOOL	16,007	12.9	2.26
31311	TEACHERS, SPECIAL EDUCATION	3,659	3.0	2.21
31314	TEACHERS AND INSTRUCTORS, VOCATIONAL EDUCATION	3,898	3.1	10.23
31317	INSTRUCTOR, NONVOCATIONAL EDUCATION	1,548	1.3	10.20
31321	INSTRUCTORS AND COACHES, SPORTS AND PHYSICAL TRAINING	3,073	2.5	3.33
31323	FARM AND HOME MANAGEMENT ADVISORS	93	0.1	0.00
31399	ALL OTHER TEACHERS AND INSTRUCTORS	1,851	1.5	NA
31502	LIBRARIANS, PROFESSIONAL	922	0.7	3.03
31505	TECHNICAL ASSISTANTS, LIBRARY	255	0.2	1.58
31508	AUDIO-VISUAL SPECIALISTS	61	0.0	0.00
31514	VOCATIONAL AND EDUCATIONAL COUNSELORS	1,234	1.0	3.22
31517	INSTRUCTIONAL COORDINATORS	491	0.4	6.33
31521	TEACHER AIDES, PARAPROFESSIONAL	7,053	5.7	3.01
32314	SPEECH PATHOLOGISTS AND AUDIOLOGISTS	74	0.1	13.19
32502	REGISTERED NURSES	895	0.7	2.06
32521	DIETITIONS AND NUTRITIONISTS	14	0.0	10.22
32999	ALL OTHER HEALTH PROFESSIONALS, PARAPROFS., & TECHS.	284	0.2	NA
34002	WRITERS AND EDITORS	53	0.0	0.00
34008	PUBLIC RELATIONS SPECIALISTS	262	0.2	6.46
39999	ALL OTHER PROFESSIONAL, PARAPROFS., AND TECHNICAL	1,034	0.8	NA
40000	**SALES AND RELATED OCCUPATIONS**	**616**	**0.5**	**NA**
49011	SALESPERSONS, RETAIL	32	0.0	18.90
49023	CASHIERS	384	0.3	7.88
49999	ALL OTHER SALES AND RELATED WORKERS	200	0.2	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**17,743**	**14.3**	**NA**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	635	0.5	5.04
53902	LIBRARY ASSISTANTS AND BOOKMOBILE DRIVERS	820	0.7	3.19
53905	TEACHER AIDES AND EDUCATIONAL ASSISTANTS, CLERICAL	2,738	2.2	5.63
55100	SECRETARIES	2,062	1.7	1.87
55305	RECEPTIONISTS AND INFORMATION CLERKS	70	0.1	21.31
55308	TYPISTS	153	0.1	0.00
55311	TYPISTS, WORD PROCESSING EQUIPMENT	137	0.1	0.84
55314	PERSONNEL CLERKS, EXCEPT PAYROLL	67	0.1	25.02
55321	FILE CLERKS	25	0.0	26.03
55338	BOOKKEEPING AND ACCOUNTING CLERKS	807	0.7	3.49
55341	PAYROLL AND TIMEKEEPING CLERKS	48	0.0	14.56

ARIZONA ESTIMATED EMPLOYMENT
EDUCATIONAL SERVICES
(SIC 82)

		EMPLOYMENT APRIL 1988	PERCENT DISTRIB.	REL. ERROR
55344	BILLING, COST AND RATE CLERKS	138	0.1	35.14
55347	GENERAL OFFICE CLERKS	6,604	5.3	2.38
56005	DUPLICATING MACHINE OPERATOR	17	0.0	0.00
56011	COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	311	0.3	3.75
56014	PERIPHERAL EDP EQUIPMENT OPERATORS	38	0.0	0.00
56017	DATA ENTRY KEYERS, EXCEPT COMPOSING	150	0.1	3.55
56099	ALL OTHER OFFICE MACHINE OPERATORS	1	0.0	NA
57102	SWITCHBOARD OPERATORS	121	0.1	49.45
57302	MAIL CLERKS, EXC. MAIL MACHINE OPERS. & POSTAL SERV.	53	0.0	6.56
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	431	0.3	8.57
58028	SHIPPING, RECEIVING, AND TRAFFIC CLERKS	82	0.1	0.00
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	125	0.1	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	2,110	1.7	NA
60000	**SERVICE OCCUPATIONS**	**15,360**	**12.4**	**NA**
61000	FIRST LINE SUPERVISORS AND MGR./SUPERS.-SERVICE	1,016	0.8	2.61
63044	CROSSING GUARDS	746	0.6	5.19
63047	GUARDS AND WATCH GUARDS	480	0.4	5.92
63099	ALL OTHER PROTECTIVE SERVICE WORKERS	52	0.0	NA
65014	DINING ROOM AND CAFETERIA ATTENDANTS	274	0.2	18.77
65017	COUNTER ATTENDANTS, FOOD	3,012	2.4	5.08
65028	COOKS, INSTITUTION OR CAFETERIA	756	0.6	6.19
65038	FOOD PREPARATION WORKERS	932	0.8	8.41
65099	ALL OTHER FOOD SERVICE WORKERS	23	0.0	NA
66099	ALL OTHER HEALTH SERVICE WORKERS	2	0.0	NA
67002	MAIDS AND HOUSEKEEPING CLEANERS	13	0.0	0.00
67005	JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	7,480	6.0	1.06
69999	ALL OTHER SERVICE WORKERS	574	0.5	NA
70000	**AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS**	**313**	**0.3**	**NA**
79014	GARDENERS AND GROUNDSKEEPERS, EXC. FARM	229	0.2	0.24
79999	ALL OTHER AGRICULTURAL, FORESTRY, FISHING, AND REL.	84	0.1	NA
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**7,891**	**6.4**	**NA**
81002	FIRST LINE SUPERS. -MECHS., INSTALLERS, & REPAIRERS	92	0.1	8.64
81005	FIRST LINE SUPERS. -CONSTRUCTION & EXTRACTIVE WRKRS.	10	0.0	0.00
81017	FIRST LINE SUPERS. -HELPERS/LABORERS/MOVERS, HAND	6	0.0	20.61
81099	ALL OTHER FIRST LINE SUPERS. -PROD./CONST./MAINT.	362	0.3	NA
83099	ALL OTHER INSPECTORS, TESTERS, AND REL. OCCUPATIONS	1	0.0	NA
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	284	0.2	7.89
85311	BUS AND TRUCK MECHS. AND DIESEL ENGINE SPECIALISTS	346	0.3	3.67
85902	HEATING, A/C, AND REFRIGERATION MECHS. & INSTALLERS	74	0.1	0.00
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	182	0.1	NA
87102	CARPENTERS	73	0.1	0.76
87202	ELECTRICIANS	97	0.1	0.57

ARIZONA ESTIMATED EMPLOYMENT
EDUCATIONAL SERVICES
(SIC 82)

		EMPLOYMENT APRIL 1988	PERCENT DISTRIB.	REL. ERROR
87402	PAINTERS AND PAPERHANGERS	77	0.1	0.00
87502	PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	57	0.0	0.97
87999	ALL OTHER CONSTR. & EXTRACTIVE WRKRS. EXC. HELPERS	18	0.0	NA
89000	PRECISION PRODUCTION OCCUPATIONS	67	0.1	0.39
91000	MACHINE SETTERS, OPERATORS, & TENDERS	131	0.1	3.18
93000	HAND WORKING OCCUPATIONS, INCL. ASSEMBLERS/FABRCTRS.	15	0.0	0.00
95000	PLANT AND SYSTEM OCCUPATIONS	56	0.0	0.00
97105	TRUCK DRIVERS, LIGHT -INCL. DELIVERY & ROUTE WRKRS.	43	0.0	35.44
97111	BUS DRIVERS, SCHOOL	3,092	2.5	2.76
97899	ALL OTHER TRANSPORTATION AND RELATED WORKERS	25	0.0	NA
97947	INDUSTRIAL TRUCK AND TRACTOR OPERATORS	27	0.0	0.00
97999	ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	3	0.0	NA
98000	HELPERS, LABORERS, AND RELATED	2,753	2.2	4.51
	TOTAL OF ALL OCCUPATIONS	**123,822**	**100.0**	

OCCUPATIONAL EMPLOYMENT

IN

GOVERNMENT

ARIZONA ESTIMATED EMPLOYMENT
STATE AND LOCAL GOVERNMENT
(SIC 90)

		EMPLOYMENT MAY 1988	PERCENT DISTRIB.	REL. ERROR
10000	MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	5,189	6.6	NA
13002	FINANCIAL MANAGERS	198	0.3	0.22
13005	PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	137	0.2	0.26
13008	PURCHASING MANAGERS	55	0.1	0.00
13011	MARKETING, ADVERTISING, AND PUBLIC R[illegible]TIONS MGRS.	49	0.1	0.35
13014	ADMINISTRATIVE SERVICES MANAGERS	966	1.2	0.43
13017	ENGINEERING, MATH., AND NATURAL SCIE[illegible] MANAGERS	225	0.3	0.11
15005	EDUCATION ADMINISTRATORS	88	0.1	0.00
15008	MEDICINE AND HEALTH SERVICES MANAGERS	142	0.2	0.07
15017	CONSTRUCTION MANAGERS	71	0.1	0.75
15023	COMMUNICATIONS, TRANSPORT. & UTIL. OPERATIONS. MGRS.	228	0.3	0.62
19002	PUBLIC ADMINISTRATORS, LEGISLATORS, AND EXECUTIVES	421	0.5	0.40
19005	GENERAL MANAGERS AND TOP EXECUTIVES	1,635	2.1	0.39
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	974	1.2	NA
20000	PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL	23,029	29.3	NA
21114	ACCOUNTANTS AND AUDITORS	1,145	1.5	0.05
21117	BUDGET ANALYSTS	140	0.2	0.30
21199	ALL OTHER FINANCIAL SPECIALISTS	194	0.2	NA
21308	PURCHASING AGENTS -EXC. WHOLESALE, RETAIL, AND FARM	154	0.2	0.34
21502	CLAIMS TAKERS, UNEMPLOYMENT BENEFITS	341	0.4	3.13
21508	EMPLOYMENT INTERVIEWERS, PRIVATE AND PUBLIC	306	0.4	1.57
21511	P[illegible]RSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	334	0.4	0.16
21905	MANAGEMENT ANALYSTS	226	0.3	0.10
21908	CONSTRUCTION AND BUILDING INSPECTORS	572	0.7	0.44
21911	COMPLIANCE AND ENFORCEMENT INSPECTORS, EXC. CONST.	1,599	2.0	0.45
21914	TAX EXAMINERS, COLLECTORS, AND REVENUE AGENTS	81	0.1	0.00
21917	ASSESSORS	194	0.2	0.00
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	569	0.7	NA
22121	CIVIL ENGINEERS, INCLUDING TRAFFIC	854	1.1	0.38
22126	ELECTRICAL AND ELECTRONIC ENGINEERS	47	0.1	0.00
22199	ALL OTHER ENGINEERS	113	0.1	NA
22302	ARCHITECTS, EXC. LANDSCAPE AND MARINE	17	0.0	0.00
22311	SURVEYING AND MAPPING SCIENTISTS	51	0.1	0.00
22502	CIVIL ENGINEERING TECHNICIANS	278	0.4	0.28
22505	ELECTRICAL AND ELECTRONIC ENGINEERING TECHNICIANS	117	0.1	0.00
22514	DRAFTERS	256	0.3	0.14
22521	SURVEYING AND MAPPING TECHNICIANS AND TECHNOLOGISTS	431	0.5	0.04
22599	ALL OTHER ENGINEERING AND RELATED TECHNICIANS	333	0.4	NA
24105	CHEMISTS, EXCEPT BIOCHEMISTS	84	0.1	0.35
24199	ALL OTHER PHYSICAL SCIENTISTS	209	0.3	NA
24308	BIOLOGICAL SCIENTISTS	40	0.1	0.00
24399	ALL OTHER LIFE SCIENTISTS	43	0.1	NA
24500	PHYSICAL AND LIFE SCIENCE TECHNICIANS	151	0.2	0.72
25102	SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	286	0.4	0.04
25105	COMPUTER PROGRAMMERS	630	0.8	0.13

ARIZONA ESTIMATED EMPLOYMENT
STATE AND LOCAL GOVERNMENT
(SIC 90)

		EMPLOYMENT MAY 1988	PERCENT DISTRIB.	REL. ERROR
25108	COMPUTER PROGRAMMER AIDES	33	0.0	0.90
25310	MATHEMATICAL SCIENTISTS	43	0.1	0.00
27102	ECONOMISTS, INCLUDING MARKET RESEARCH ANALYSTS	62	0.1	0.00
27105	URBAN AND REGIONAL PLANNERS	379	0.5	0.16
27108	PSYCHOLOGISTS	101	0.1	0.00
27199	ALL OTHER SOCIAL SCIENTISTS	175	0.2	NA
27302	SOCIAL WORKERS, MEDICAL AND PSYCHIATRIC	58	0.1	0.00
27305	SOCIAL WORKERS, EXC. MEDICAL AND PSYCHIATRIC	1,976	2.5	0.17
27308	SOCIAL SERVICE TECHNICIANS	483	0.6	2.99
27311	RECREATION WORKERS	1,037	1.3	0.12
28102	JUDGES AND MAGISTRATES	362	0.5	0.04
28105	ADJUDICATORS, HEARINGS OFFICERS, AND REVIEWERS	129	0.2	0.41
28108	LAWYERS	1,084	1.4	0.00
28302	LAW CLERKS	314	0.4	0.00
28305	PARALEGAL PERSONNEL	52	0.1	0.00
28399	ALL OTHER LEGAL ASSISTANTS/TECHNS., EXC. CLERICAL	129	0.2	NA
31314	TEACHERS AND INSTRUCTORS, VOCATIONAL EDUCATION	381	0.5	0.28
31399	ALL OTHER TEACHERS AND INSTRUCTORS	2	0.0	NA
31502	LIBRARIANS, PROFESSIONAL	409	0.5	0.16
31505	TECHNICAL ASSISTANTS, LIBRARY	232	0.3	0.28
31514	VOCATIONAL AND EDUCATIONAL COUNSELORS	750	1.0	0.23
31517	INSTRUCTIONAL COORDINATORS	107	0.1	0.00
32102	PHYSICIANS AND SURGEONS	44	0.1	0.00
32300	THERAPISTS	50	0.1	0.00
32502	REGISTERED NURSES	1,237	1.6	0.06
32505	LICENSED PRACTICAL NURSES	127	0.2	0.00
32508	EMERGENCY MEDICAL TECHNICIANS	383	0.5	0.52
32521	DIETITIONS AND NUTRITIONISTS	176	0.2	0.00
32999	ALL OTHER HEALTH PROFESSIONALS, PARAPROFS., & TECHS.	514	0.7	NA
34008	PUBLIC RELATIONS SPECIALISTS	118	0.2	0.00
39005	TRAFFIC TECHNICIANS	92	0.1	0.00
39008	RADIO OPERATORS	13	0.0	0.00
39999	ALL OTHER PROFESSIONAL, PARAPROFS., AND TECHNICAL	2,182	2.8	NA
40000	**SALES AND RELATED OCCUPATIONS**	**481**	**0.6**	**NA**
41002	FIRST LINE SUPERVISORS, SALES	49	0.1	1.74
43011	APPRAISERS, REAL ESTATE	243	0.3	0.00
43023	SALES AGENTS, ADVERTISING	168	0.2	0.22
49999	ALL OTHER SALES AND RELATED WORKERS	21	0.0	NA
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**19,052**	**24.3**	**NA**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	1,401	1.8	0.39
53502	WELFARE ELIGIBILITY WORKERS AND INTERVIEWERS	1,284	1.6	2.69
53702	COURT CLERKS	864	1.1	0.08
53705	MUNICIPAL CLERKS	65	0.1	1.20
53708	LICENSE CLERKS	415	0.5	0.42

ARIZONA ESTIMATED EMPLOYMENT
STATE AND LOCAL GOVERNMENT
(SIC 90)

		EMPLOYMENT MAY 1988	PERCENT DISTRIB.	REL. ERROR
53902	LIBRARY ASSISTANTS AND BOOKMOBILE DRIVERS	442	0.6	0.28
53905	TEACHER AIDES AND EDUCATIONAL ASSISTANTS, CLERICAL	13	0.0	0.00
55100	SECRETARIES	2,917	3.7	0.14
55302	STENOGRAPHERS	182	0.2	0.00
55305	RECEPTIONISTS AND INFORMATION CLERKS	177	0.2	0.05
55308	TYPISTS	2,307	2.9	0.36
55311	TYPISTS, WORD PROCESSING EQUIPMENT	602	0.8	0.00
55314	PERSONNEL CLERKS, EXCEPT PAYROLL	127	0.2	0.19
55321	FILE CLERKS	249	0.3	0.06
55328	STATISTICAL CLERKS	311	0.4	0.12
55335	CUSTOMER SERVICE REPRESENTATIVES, UTILITIES	343	0.4	0.16
55338	BOOKKEEPING AND ACCOUNTING CLERKS	1,197	1.5	0.04
55341	PAYROLL AND TIMEKEEPING CLERKS	76	0.1	0.00
55344	BILLING, COST AND RATE CLERKS	115	0.1	0.00
55347	GENERAL OFFICE CLERKS	1,899	2.4	0.05
56002	BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	15	0.0	0.00
56011	COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	466	0.6	0.11
56014	PERIPHERAL EDP EQUIPMENT OPERATORS	42	0.1	2.59
56017	DATA ENTRY KEYERS, EXCEPT COMPOSING	467	0.6	0.11
56099	ALL OTHER OFFICE MACHINE OPERATORS	54	0.1	NA
57102	SWITCHBOARD OPERATORS	357	0.5	0.20
57302	MAIL CLERKS, EXC. MAIL MACHINE OPERS. & POSTAL SERV.	129	0.2	0.00
57311	MESSENGERS	100	0.1	0.14
58002	DISPATCHERS, POLICE, FIRE, AND AMBULANCE	740	0.9	2.13
58005	DISPATCHERS, EXCEPT POLICE, FIRE, AND AMBULANCE	59	0.1	0.91
58014	METER READER, UTILITIES	194	0.2	0.39
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	350	0.4	0.46
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	207	0.3	NA
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	886	1.1	NA
60000	**SERVICE OCCUPATIONS**	**19,578**	**24.9**	**NA**
61002	FIRE FIGHTING AND PREVENTION SUPERVISORS	590	0.8	0.31
61005	POLICE AND DETECTIVE SUPERVISORS	2,106	2.7	0.08
61099	ALL OTHER SERVICE SUPERVISORS AND MGR./SUPERVISORS	421	0.5	NA
63002	FIRE INSPECTORS	123	0.2	0.18
63008	FIRE FIGHTERS	1,905	2.4	0.41
63011	POLICE DETECTIVES	295	0.4	0.13
63014	POLICE PATROL OFFICERS	4,622	5.9	0.91
63017	CORRECTION OFFICERS AND JAILERS	3,954	5.0	0.08
63023	BAILIFFS	182	0.2	0.00
63032	SHERIFFS AND DEPUTY SHERIFFS	1,207	1.5	0.00
63041	FISH AND GAME WARDENS	158	0.2	9.11
63047	GUARDS AND WATCH GUARDS	302	0.4	4.68
63099	ALL OTHER PROTECTIVE SERVICE WORKERS	653	0.8	NA
65028	COOKS, INSTITUTION OR CAFETERIA	169	0.2	0.22
65038	FOOD PREPARATION WORKERS	178	0.2	0.34

ARIZONA ESTIMATED EMPLOYMENT
STATE AND LOCAL GOVERNMENT
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		EMPLOYMENT MAY 1988	PERCENT DISTRIB.	REL. ERROR
65099	ALL OTHER FOOD SERVICE WORKERS	22	0.0	NA
66005	MEDICAL ASSISTANTS	100	0.1	0.00
66008	NURSING AIDES, ORDERLIES, AND ASSISTANTS	444	0.6	0.00
66011	HOME HEALTH AIDES	108	0.1	0.00
66014	PSYCHIATRIC AIDES	612	0.8	0.86
66099	ALL OTHER HEALTH SERVICE WORKERS	53	0.1	NA
67000	CLEANING AND BUILDING SERVICE OCCUPATIONS	941	1.2	0.10
68014	AMUSEMENT AND RECREATION ATTENDANTS	87	0.1	0.00
69999	ALL OTHER SERVICE WORKERS	346	0.4	NA
70000	**AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS**	**1,097**	**1.4**	**NA**
79002	FOREST AND CONSERVATION WORKERS	33	0.0	9.89
79014	GARDENERS AND GROUNDSKEEPERS, EXC. FARM	964	1.2	0.06
79017	ANIMAL CARETAKERS, EXC. FARM	15	0.0	0.00
79999	ALL OTHER AGRICULTURAL, FORESTRY, FISHING, AND REL.	85	0.1	NA
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**10,072**	**12.8**	**NA**
81002	FIRST LINE SUPERS. -MECHS., INSTALLERS, & REPAIRERS	325	0.4	0.67
81005	FIRST LINE SUPERS. -CONSTRUCTION & EXTRACTIVE WRKRS.	377	0.5	0.00
81011	FIRST LINE SUPERS. -TRANSP. AND MATRL. MOVING MACH.	80	0.1	0.73
81099	ALL OTHER FIRST LINE SUPERS. -PROD./CONST./MAINT.	235	0.3	NA
83008	TRANSPORTATION INSPECTORS	12	0.0	0.00
83099	ALL OTHER INSPECTORS, TESTERS, AND REL. OCCUPATIONS	60	0.1	NA
85118	MAINTENANCE MECHS., WATER OR POWER GENERATION PLANT	390	0.5	0.22
85119	ALL OTHER MACHINERY MAINTENANCE MECHANICS	78	0.1	NA
85128	MACHINERY MAINTENANCE WORKERS	179	0.2	0.00
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	812	1.0	0.08
85302	AUTOMOTIVE MECHANICS	329	0.4	0.30
85311	BUS AND TRUCK MECHS. AND DIESEL ENGINE SPECIALISTS	140	0.2	0.21
85314	MOBILE HEAVY EQUIPMENT MECHANICS	197	0.3	0.82
85902	HEATING, A/C, AND REFRIGERATION MECHS. & INSTALLERS	56	0.1	0.00
85905	PRECISION INSTRUMENT REPAIRERS	48	0.1	0.00
85911	ELECTRICAL METER INSTALLERS AND REPAIRERS	13	0.0	0.00
85928	MECHANICAL CONTROL AND VALVE INSTALLERS/REPAIRERS	50	0.1	0.00
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	159	0.2	NA
87102	CARPENTERS	67	0.1	1.62
87202	ELECTRICIANS	340	0.4	0.21
87402	PAINTERS AND PAPERHANGERS	45	0.1	0.00
87502	PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	40	0.1	0.00
87508	PIPELAYERS	138	0.2	0.00
87708	PAVING, SURFACING, AND TAMPING EQUIPMENT OPERATORS	133	0.2	0.00
87711	HIGHWAY MAINTENANCE WORKERS	1,129	1.4	0.17
87999	ALL OTHER CONSTR. & EXTRACTIVE WRKRS. EXC. HELPERS	198	0.3	NA
89000	PRECISION PRODUCTION OCCUPATIONS	27	0.0	0.00
91000	MACHINE SETTERS, OPERATORS, & TENDERS	71	0.1	0.00
93000	HAND WORKING OCCUPATIONS, INCL. ASSEMBLERS/FABRCTRS.	61	0.1	0.00

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		EMPLOYMENT MAY 1988	PERCENT DISTRIB.	REL. ERROR
95002	WATER AND WASTE TREATMENT PLANT AND SYSTEM OPERATORS	530	0.7	0.42
95028	POWER DISTRIBUTORS AND DISPATCHERS	19	0.0	0.00
95032	STATIONARY ENGINEERS	21	0.0	0.00
95099	ALL OTHER PLANT AND SYSTEM OPERATORS	14	0.0	NA
97102	TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	247	0.3	0.00
97105	TRUCK DRIVERS, LIGHT -INCL. DELIVERY & ROUTE WRKRS.	225	0.3	0.15
97108	BUS DRIVERS	32	0.0	0.31
97805	SERVICE STATION ATTENDANTS	67	0.1	0.51
97899	ALL OTHER TRANSPORTATION AND RELATED WORKERS	113	0.1	NA
97947	INDUSTRIAL TRUCK AND TRACTOR OPERATORS	527	0.7	0.20
97956	OPERATING ENGINEERS	369	0.5	0.65
97999	ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	58	0.1	NA
98102	MECHANIC AND REPAIRER HELPERS	79	0.1	0.00
98705	REFUSE COLLECTORS	649	0.8	0.36
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	1,333	1.7	NA
	TOTAL OF ALL OCCUPATIONS	**78,498**	**100.0**	

ARIZONA ESTIMATED EMPLOYMENT
FEDERAL GOVERNMENT (CIVILIAN)
(SIC 91)

		EMPLOYMENT MAY 1988	PERCENT DISTRIB.
10000	**MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS**	872	2.1
13002	FINANCIAL MANAGERS	24	0.1
13005	PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	27	0.1
13014	ADMINISTRATIVE SERVICES MANAGERS	60	0.1
13017	ENGINEERING, MATH., AND NATURAL SCIENCES MANAGERS	133	0.3
15002	POSTMASTERS AND MAIL SUPERINTENDENTS	263	0.6
15005	EDUCATION ADMINISTRATORS	27	0.1
15008	MEDICINE AND HEALTH SERVICES MANAGERS	84	0.2
15011	PROPERTY AND REAL ESTATE MANAGERS AND ADMINISTRATORS	14	0.0
15023	COMMUNICATIONS, TRANSPORT. & UTIL. OPERATIONS. MGRS.	45	0.1
19005	GENERAL MANAGERS AND TOP EXECUTIVES	75	0.2
19999	ALL OTHER MANAGERS AND ADMINISTRATORS	120	0.3
20000	**PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL**	15,272	36.6
21108	LOAN OFFICERS AND COUNSELORS	64	0.2
21114	ACCOUNTANTS AND AUDITORS	406	1.0
21117	BUDGET ANALYSTS	140	0.3
21199	ALL OTHER FINANCIAL SPECIALISTS	14	0.0
21308	PURCHASING AGENTS -EXC. WHOLESALE, RETAIL, AND FARM	420	1.0
21511	PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	326	0.8
21905	MANAGEMENT ANALYSTS	159	0.4
21908	CONSTRUCTION AND BUILDING INSPECTORS	155	0.4
21911	COMPLIANCE AND ENFORCEMENT INSPECTORS, EXC. CONST.	675	1.6
21914	TAX EXAMINERS, COLLECTORS, AND REVENUE AGENTS	402	1.0
21999	ALL OTHER MANAGEMENT SUPPORT WORKERS	216	0.5
22121	CIVIL ENGINEERS, INCLUDING TRAFFIC	226	0.5
22126	ELECTRICAL AND ELECTRONIC ENGINEERS	401	1.0
22128	INDUSTRIAL ENGINEERS, EXCEPT SAFETY	21	0.1
22132	SAFETY ENGINEERS, EXCEPT MINING	63	0.2
22135	MECHANICAL ENGINEERS	63	0.2
22199	ALL OTHER ENGINEERS	142	0.3
22302	ARCHITECTS, EXC. LANDSCAPE AND MARINE	16	0.0
22311	SURVEYING AND MAPPING SCIENTISTS	41	0.1
22500	ENGINEERING & RELATED TECHNICIANS & TECHNOLOGISTS	247	0.6
22514	DRAFTERS	39	0.1
22521	SURVEYING AND MAPPING TECHNICIANS AND TECHNOLOGISTS	162	0.4
22599	ALL OTHER ENGINEERING AND RELATED TECHNICIANS	643	1.5
24100	PHYSICISTS AND ASTRONOMERS	22	0.1
24108	ATMOSPHERIC AND SPACE SCIENTISTS	23	0.1
24111	GEOLOGISTS, GEOPHYSICISTS, AND OCEANOGRAPHERS	153	0.4
24199	ALL OTHER PHYSICAL SCIENTISTS	36	0.1
24302	FORESTERS AND CONSERVATION SCIENTISTS	300	0.7
24305	AGRICULTURAL AND FOOD SCIENTISTS	103	0.2
24308	BIOLOGICAL SCIENTISTS	222	0.5
24399	ALL OTHER LIFE SCIENTISTS	16	0.0
24502	BIOL., AGRIC., & FOOD TECHS. & TECHNOLOGISTS, EXC. HEALTH	153	0.4

ARIZONA ESTIMATED EMPLOYMENT
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(SIC 91)

		EMPLOYMENT MAY 1988	PERCENT DISTRIB.
24599	ALL OTHER PHYSICAL AND LIFE SCIENCE TECHS.	149	0.4
25102	SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	379	0.9
25105	COMPUTER PROGRAMMERS	13	0.0
25108	COMPUTER PROGRAMMER AIDES	126	0.3
25302	OPERATIONS & SYSTEMS RESEARCHS & ANALYSTS, EXC. COMPUTER	53	0.1
25319	ALL OTHER MATHEMATICAL SCIENTISTS	48	0.1
27102	ECONOMISTS, INCLUDING MARKET RESEARCH ANALYSTS	20	0.0
27108	PSYCHOLOGISTS	58	0.1
27199	ALL OTHER SOCIAL SCIENTISTS	130	0.3
27302	SOCIAL WORKERS, MEDICAL AND PSYCHIATRIC	87	0.2
27308	SOCIAL SERVICE TECHNICIANS	20	0.0
27311	RECREATION WORKERS	75	0.2
27502	CLERGY	19	0.0
28102	JUDGES AND MAGISTRATES	35	0.1
28108	LAWYERS	139	0.3
28305	PARALEGAL PERSONNEL	28	0.1
28399	ALL OTHER LEGAL ASSISTANTS/TECHNS., EXC. CLERICAL	399	1.0
31314	TEACHERS AND INSTRUCTORS, VOCATIONAL EDUCATION/TRAINING	946	2.3
31317	INSTRUCTORS, NONVOCATIONAL EDUCATION	10	0.0
31502	LIBRARIANS, PROFESSIONAL	84	0.2
31511	CURATORS, ARCHIVISTS, MUSEUM TECHS., AND RESTORERS	25	0.1
31521	TEACHER AIDES, PARAPROFESSIONAL	952	2.3
32102	PHYSICIANS AND SURGEONS	414	1.0
32105	DENTISTS	13	0.0
32114	VETERINARIANS AND VETERINARY INSPECTORS	12	0.0
32199	ALL OTHER HEALTH DIAGNOSING AND TREATING PRACTITIONERS	8	0.0
32302	RESPIRATORY THERAPISTS	13	0.0
32314	SPEECH PATHOLOGISTS AND AUDIOLOGISTS	13	0.0
32399	ALL OTHER THERAPISTS	28	0.1
32502	REGISTERED NURSES	1,155	2.8
32505	LICENSED PRACTICAL NURSES	413	1.0
32511	PHYSICIAN'S ASSISTANTS	44	0.1
32517	PHARMACISTS	66	0.2
32521	DIETITIONS AND NUTRITIONISTS	40	0.1
32902	MEDICAL AND CLINICAL LABORATORY TECHNOLOGISTS	217	0.5
32911	MEDICAL RECORDS TECHNICIANS AND TECHNOLOGISTS	113	0.3
32921	RADIOLOGIC TECHNICIANS	84	0.2
32999	ALL OTHER HEALTH PROFESSIONALS, PARAPROFS., & TECHS.	129	0.3
34002	WRITERS AND EDITORS	76	0.2
34023	PHOTOGRAPHERS	29	0.1
34035	ARTISTS AND RELATED WORKERS	16	0.0
39002	AIRPLANE DISPATCHERS AND AIR TRAFFIC CONTROLLERS	288	0.7
39008	RADIO OPERATORS	12	0.0
39999	ALL OTHER PROFESSIONAL, PARAPROFS., AND TECHNICAL	2,225	5.3

ARIZONA ESTIMATED EMPLOYMENT
FEDERAL GOVERNMENT (CIVILIAN)
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		EMPLOYMENT MAY 1988	PERCENT DISTRIB.
40000	**SALES AND RELATED OCCUPATIONS**	**270**	**0.6**
41002	FIRST LINE SUPERVISORS & MGR./SUPERS., SALES & RELATED	30	0.1
43011	APPRAISERS, REAL ESTATE	32	0.1
43099	ALL OTHER SALES REPS. AND SALESPERSONS, SERVICE	4	0.0
49011	SALESPERSONS, RETAIL	162	0.4
49023	CASHIERS	37	0.1
49999	ALL OTHER SALES AND RELATED WORKERS	5	0.0
50000	**CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS**	**14,980**	**35.9**
51002	FIRST LINE SUPERVISORS, CLERICAL AND ADMIN. SUPPORT	713	1.7
53123	ADJUSTMENT CLERKS	14	0.0
53302	INSURANCE ADJUSTERS, EXAMINERS AND INVESTIGATORS	32	0.1
53311	INSURANCE CLAIMS CLERKS	92	0.2
53802	TRAVEL CLERKS	12	0.0
53914	REAL ESTATE CLERKS	87	0.2
55199	ALL OTHER SECRETARIES	1,357	3.3
55302	STENOGRAPHERS	54	0.1
55305	RECEPTIONISTS AND INFORMATION CLERKS	40	0.1
55308	TYPISTS	757	1.8
55314	PERSONNEL CLERKS, EXCEPT PAYROLL	302	0.7
55326	PROCUREMENT CLERKS	119	0.3
55332	INTERVIEWING CLERKS, EXC. PERSONNEL AND SOCIAL WELFARE	313	0.8
55338	BOOKKEEPING AND ACCOUNTING CLERKS	473	1.1
55341	PAYROLL AND TIMEKEEPING CLERKS	92	0.2
55347	GENERAL OFFICE CLERKS	156	0.4
56008	MAIL MACHINE OPERATORS, PREPARATION AND HANDLING	32	0.1
56011	COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	60	0.1
56021	DATA ENTRY KEYERS, COMPOSING	65	0.2
56099	ALL OTHER OFFICE MACHINE OPERATORS	29	0.1
57102	SWITCHBOARD OPERATORS	57	0.1
57199	ALL OTHER COMMUNICATIONS EQUIPMENT OPERATORS	22	0.1
57302	MAIL CLERKS, EXC. MAIL MACHINE OPERS. & POSTAL SERV.	262	0.6
57305	MAIL CARRIERS, POSTAL SERVICE	4,099	9.8
57308	CLERKS, POSTAL SERVICE	1,764	4.2
57311	MESSENGERS	38	0.1
58008	PRODUCTION, PLANNING, AND EXPEDITING CLERKS	310	0.7
58023	STOCK CLERKS- STOCKROOM, WAREHOUSE, OR STORAGE YARD	593	1.4
58028	TRAFFIC, SHIPPING, AND RECEIVING CLERKS	1,924	4.6
58099	ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTR.	37	0.1
59999	ALL OTHER CLERICAL AND ADMIN. SUPPORT WORKERS	1,075	2.6
60000	**SERVICE OCCUPATIONS**	**3,266**	**7.8**
61002	FIRE FIGHTING AND PREVENTION SUPERVISORS	25	0.1
61005	POLICE AND DETECTIVE SUPERVISORS	176	0.4
61099	ALL OTHER SERVICE SUPERVISORS AND MGR./SUPERVISORS	142	0.3
63008	FIRE FIGHTERS	152	0.4

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		EMPLOYMENT MAY 1988	PERCENT DISTRIB.
63011	POLICE DETECTIVES	14	0.0
63014	POLICE PATROL OFFICERS	445	1.1
63017	CORRECTION OFFICERS AND JAILERS	221	0.5
63028	CRIMINAL INVESTIGATORS, FEDERAL	334	0.8
63047	GUARDS AND WATCH GUARDS	145	0.3
63099	ALL OTHER PROTECTIVE SERVICE WORKERS	86	0.2
65023	BUTCHERS AND MEAT CUTTERS	54	0.1
65028	COOKS, INSTITUTION OR CAFETERIA	162	0.4
65041	COMBINED FOOD PREPARATION AND SERVICE WORKERS	297	0.7
65099	ALL OTHER FOOD SERVICE WORKERS	3	0.0
66002	DENTAL ASSISTANTS	124	0.3
66008	NURSING AIDES, ORDERLIES, AND ASSISTANTS	206	0.5
66017	PHYSICAL AND CORRECTIVE THERAPY ASSISTANTS AND AIDES	14	0.0
66026	PHARMACY ASSISTANTS	66	0.2
66099	ALL OTHER HEALTH SERVICE WORKERS	155	0.4
67005	JANITORS AND CLEANERS, EXC. MAIDS AND HOUSEKEEPING	406	1.0
67099	ALL OTHER CLEANING/BLDG. SERVICE, EXC. PRIV. HOUSE	7	0.0
68035	SOCIAL WELFARE SERVICE AIDES	26	0.1
69999	ALL OTHER SERVICE WORKERS	6	0.0
70000	**AGRICULTURE, FORESTRY, FISHING, & REL. OCCUPATIONS**	**1,241**	**3.0**
72002	FIRST LINE SUPERS.- AGRIC., FOREST., FISH., AND REL.	71	0.2
79002	FOREST AND CONSERVATION WORKERS	1,019	2.4
79011	GRADERS AND SORTERS, AGRICULTURAL PRODUCTS	11	0.0
79014	GARDENERS AND GROUNDSKEEPERS, EXC. FARM	13	0.0
79999	ALL OTHER AGRICULTURAL, FORESTRY, FISHING, AND REL.	127	0.3
80000	**PRODUCTION, MAINTENANCE, AND MATERIAL HANDLING**	**5,810**	**13.9**
81002	FIRST LINE SUPERS. -MECHS., INSTALLERS, & REPAIRERS	408	1.0
81005	FIRST LINE SUPERS. -CONSTRUCTION & EXTRACTIVE WRKRS.	31	0.1
81008	FIRST LINE SUPERS. -PRODUCTION AND OPERATING WRKRS.	47	0.1
81011	FIRST LINE SUPERS. -TRANSP. AND MATRL. MOVING MACH.	73	0.2
81017	FIRST LINE SUPERS. -HELPERS/LABORERS/MOVERS, HAND	44	0.1
81099	ALL OTHER FIRST LINE SUPERS. -PROD./CONST./MAINT.	39	0.1
83002	PRECISION INSPECTORS, TESTERS, AND GRADERS	55	0.1
83005	PRODUCTION INSPECTORS, TESTERS, GRADERS, AND SORTERS	19	0.0
85118	MAINTENANCE MECHS., WATER OR POWER GENERATION PLANT	15	0.0
85119	ALL OTHER MACHINERY MAINTENANCE MECHANICS	111	0.3
85128	MACHINERY MAINTENANCE WORKERS	76	0.2
85132	MAINTENANCE REPAIRERS, GENERAL UTILITY	353	0.8
85302	AUTOMOTIVE MECHANICS	140	0.3
85314	MOBILE HEAVY EQUIPMENT MECHANICS	162	0.4
85323	AIRCRAFT MECHANICS	456	1.1
85326	AIRCRAFT ENGINE SPECIALISTS	110	0.3
85502	CENTRAL OFFICE AND PBX INSTALLERS AND REPAIRERS	21	0.1
85599	ALL OTHER COMMUNICATIONS EQUIP. MECHS./INSTALL./REPAIR.	12	0.0

ARIZONA ESTIMATED EMPLOYMENT
FEDERAL GOVERNMENT (CIVILIAN)
(SIC 91)

		EMPLOYMENT MAY 1988	PERCENT DISTRIB.
85717	ELECTRONICS REPAIRERS, COMMERCIAL AND INDUST. EQUIP.	220	0.5
85721	POWERHOUSE, SUBSTATION, AND RELAY ELECTRICIANS	23	0.1
85723	ELECTRICAL POWERLINE INSTALLERS AND REPAIRERS	61	0.1
85728	ELECTRICAL INSTALLERS AND REPAIRERS, TRANSP. EQUIP.	38	0.1
85799	ALL OTHER ELEC. & ELECTR. EQUIP. MECH./INSTALL./REP.	56	0.1
85902	HEATING, A/C, AND REFRIGERATION MECHS. & INSTALLERS	80	0.2
85905	PRECISION INSTRUMENT REPAIRERS	34	0.1
85908	ELECTROMEDICAL AND BIOMEDICAL EQUIPMENT REPAIRERS	17	0.0
85928	MECHANICAL CONTROL AND VALVE INSTALLERS/REPAIRERS	115	0.3
85999	ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	226	0.5
87102	CARPENTERS	75	0.2
87202	ELECTRICIANS	76	0.2
87305	STONEMASONS	15	0.0
87402	PAINTERS AND PAPERHANGERS	83	0.2
87502	PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	43	0.1
87899	ALL OTHER CONSTRUCTION TRADES WORKERS	7	0.0
87989	ALL OTHER EXTRACTIVE WORKERS, EXC. HELPERS	17	0.0
87999	ALL OTHER CONSTR. & EXTRACTIVE WRKRS. EXC. HELPERS	2	0.0
89108	MACHINISTS	16	0.0
89132	SHEET METAL WORKERS	53	0.1
89199	ALL OTHER PRECISION METAL WORKERS	4	0.0
89399	ALL OTHER PRECISION WOODWORKERS	7	0.0
89599	ALL OTHER PRECISION TEXTILE, APPAREL, AND FURNISHINGS	25	0.1
89799	ALL OTHER PRECISION PRINTING WORKERS	2	0.0
89502	FABRIC AND APPAREL PATTERNMAKERS, AND LAYOUT WRKRS.	16	0.0
89999	ALL OTHER PRECISION WORKERS	12	0.0
91926	NONELECTROLYTIC PLATING OPERS./TENDERS, METAL/PLAST.	22	0.1
92198	ALL OTHER METAL AND PLASTIC MACHINE OPERS./TENDERS	1	0.0
92510	PRINTING PRESS MACHINE SETTERS AND OPERATORS	19	0.0
92519	ALL OTHER PRINTING PRESS SETTERS AND OPERATORS	3	0.0
92998	ALL OTHER MACHINE OPERATORS AND TENDERS	29	0.1
93914	WELDERS AND CUTTERS	33	0.1
93956	ASSEMBLERS/FABRICATORS -EXC. MACH./ELECT./PRECISION	32	0.1
93999	ALL OTHER HAND WORKERS	31	0.1
95002	WATER AND WASTE TREATMENT PLANT AND SYSTEM OPERATORS	23	0.1
95028	POWER DISTRIBUTORS AND DISPATCHERS	17	0.0
95032	STATIONARY ENGINEERS	23	0.1
95099	ALL OTHER PLANT AND SYSTEM OPERATORS	22	0.1
97102	TRUCK DRIVERS, HEAVY OR TRACTOR TRAILER	59	0.1
97105	TRUCK DRIVERS, LIGHT -INCL. DELIVERY & ROUTE WRKRS.	25	0.1
97199	ALL OTHER MOTOR VEHICLE OPERATORS	301	0.7
97399	ALL OTHER RAIL VEHICLE OPERATIVES AND CONTROLLERS	2	0.0
97702	AIRCRAFT PILOTS AND FLIGHT ENGINEERS	73	0.2
97899	ALL OTHER TRANSPORTATION AND RELATED WORKERS	31	0.1
97928	DREDGE OPERATORS AND DIPPER TENDERS	28	0.1
97947	INDUSTRIAL TRUCK AND TRACTOR OPERATORS	50	0.1

ARIZONA ESTIMATED EMPLOYMENT
FEDERAL GOVERNMENT (CIVILIAN)
(SIC 91)

		EMPLOYMENT MAY 1988	PERCENT DISTRIB.
97956	OPERATING ENGINEERS	171	0.4
97989	ALL OTHER TRANSP. AND MATRL. MOVING EQUIP. OPERATORS	15	0.0
97999	ALL OTHER MATERIAL MOVING EQUIPMENT OPERATORS	60	0.1
98700	FREIGHT, STOCK, AND MATERIAL MOVERS, HAND	2	0.0
98902	HAND PACKERS AND PACKAGERS	12	0.0
98999	ALL OTHER HELPERS, LABORERS, & MATERIAL MOVERS, HAND	1,225	2.9
	TOTAL OF ALL OCCUPATIONS	**41,711**	**100.0**